

#### TRI STATE AMATEUR RADIO SOCIETY, INC.

Published monthly by the Tri-State Amateur Radio Society, Inc., as its official organ.

#### JANUARY 1967 AMATEUR RADIO W9LIT

Affiliated with the American Radio Relay League and the Indiana Radio Club Council.

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Return Requested. Tri-State Amateur Radio Society 2900 East Oak Street Evansville, Indiana, 47714.



Clifford McGuyer 2900 E. Oak St. Evansville, Indiana L9DGA

Many of us had known Ray Miller for a number of years, and some of us for a very long time. His interest in ham radio dated back to the spark coil days, when he held call 9NG in Evansville, in the early 1920's. He was a radio servicemen and also worked with the old Erla company in Chicago in the days of battery powered radio sets and 201A tubes.

His ham license became inactive when he took up accounting. He was a programmer of IBM equipment for the government during World War II; was an accountant with Servel; then a public accountant; and finally an Internal Revenue Agent with the Treasury Department.

In the 1950's Ray's interest in ham radio was renewed through contacts with TARS members, and he was re-issued a two-letter call, W90G. He was actively interested in our club and its work, and served as its president in 1957. He worked over a period of several years gathering together the club's archives; annually he gave his time and talents in making our Field Days and Hamfests successful; he took active part in our transmitter hunts, and these and many of our club's similar activities were aided by the cooperation and help of Ray and his wife Betty; he was a member of the Indiana Fone Net; he was a member of the Indiana Side Band Net, and served as its net control; he participated in many of our club's givic and public activities, including Civil Defense.

Ray was always a fine technician with a built-in factor for safety, and his techniques and methods served as examples for many of our club members. His untimaly death on January 4, 1967 has deprived us of a cheerful, ecoperative friend and club member, and we will miss him.

We extend our sincers sympathy to his wife, Betty, and to his mother, Mrs. Anna C. Miller.

Here it is! A new year for TARS! The programs have been scheduled for the year. The first one is a program with Bill Ogg, showing and demon-trating new equipment. I wonder sometime what 1967 will bring to Amateur dadio with this new equipment and with new regulations and operating procedures. The Hams will have to do more studying and be more alert to his We see the auction in February! Humpy Campbell, W9JFJ will be the auctionser for all the goodies, you Bellows bring. We try to stump Humpy with the equipment -- that is hard to do--he does a fine job as the auctioneer.

In March we should have a good meeting -- Ingle Tetrectk -- First Aid in Electrical Shocks. Here is something we sure need. Maybe the XYL too. XYL sould really help out, when you are repairing the rig and all of sudden you come running into the house and you tell the XYL about the mishap and

on the floor you are. She used the water bucket?

The spril meeting is the night of weird sounds. The sound of the Teletype, with Hank Galbreath, WeRDJ at the keys. It maybe hi or low speed type. Hank is good man at the keys. Don't miss this night.

As president this year, I will need a lot of help. I am grateful for the fellows who have volunteered their services for several of the jobs for the coming year. With all this cooperation I know this year will be a good one. I do have a few jobs open yet. I will get in touch with you, the members, for some help. If every one works together we will have a successful year. Jack Young, K9LAU is working on the membership (HamQuest and ARRL). Jack is hoping to increase the membership. Let's all help him. Our club can use new Hams that are here in the Evansville area. We will hear from Jack in the January meeting.

I wonder how many of the membership takes the Bison, the Indiana Radio Club Council paper. Real news is in this paper from our friends over the state. The program chairman Ralph Waldo KOSTX has done a fine job planning the program for the coming year. Dont Miss the last Thursday night of every

month during 1967!

All amateurs in the ARRI. Field Organization are urged to take part in the annual Novice Roundup to be held February 4 through February 19, 1967. The leading Novice in each section will be awarded a certificate of achievement. Page 55 of Jan QST has all the details on how to participate. Send a postal card to ARRI for free contest forms and a map of the United States.

SEE THE NEW EICO TRU- V- OHM METERS TODAYS BEST BUY IN VOM'S 5 MODELS \$5.95 - \$8.95 - \$12.95 - \$15.95 - \$19.95 WESCO RADIO PARTS 428 PENNSYLVANIA ST. EVANSVILLE, INDIANA PHONE 422-2141

MINUTES, Officers and Board of Directors Meeting, Dec 13, 1966. Officers present included K9JQY pres; W9LXA V Pres; W9DGA Secty; K9LAU Treas; and Directors WA9JZX, W9NZC, W9MKZ and K9JSK, K9PNJ, Prog. Chm. was also present.

Pres K9JOY called meeting to order at 730pm. Minutes of previous meetings approved as printed in Sparks. Treasurers report approved as submitted showing a balance of \$1,037.44. A lengthy discussion was had on the financial situation of TARS. It was generally agreed that next year an active memberahip program should be initiated. Discussion was had relative to the annual "TARS Hamfest" and the "Annual Past Presidents Banquet." This will be dis-

cussed again at the next Board of Directors meeting.
Discussion was had on the Treasurers Bond. K9LAU will make the necessary arrangements. The Secretary read correspondence from ARRL re letter sent to manufacturers of Citizen Band Equipment from the FCC. Also ARRL Director letter re the code requiremtns in the Amateur Radio Service exams. It was agreed that "TARS" should once again take an "active" part and leader-

ship role in Emergency Communications locally.

Correspondence from ARRL re "HamQuest '67" was read and discussed. This will be taken up again at the next Board of Directors meeting and be tied in with a local membership drive and Hamquest '67.

A lengthy and "soul searching" general discussion was had on ideas to improve TARS. Everyone present "let their hair down" so to speak and a better "TARS" should be the result.

demo, like new, \$32.00.

The president for 1967, W9LXA announced K9STX will be the Program Chairman with WA9BPP the "Coffee Maker." Meeting adjourned at 950 pm. W9DGA, See

#### January 4, 1967 TRI STATE AMATEUR RADIO SOCIETY, INC., EVANSVILLE, INDIANA A Resolution

The Tri State Amateur Radio Society, officers and board of directors was called to order, in a special meeting, on January 4, 1967.

We have just learned of the death of our beloved friend RAY MILLER, W90G. He passed away peacefully, this morning, in the presence of his wife Betty, at Decomess Hospital. He left us quietly just as he lived his life in Amateur Radio.

For us who are quiet close to him, his death will be mourned, (Cont'd next page)

EVANSVIL	LE AMATEUR RADIO	SUPPLY Wm Ogg, WA9 Owner-Manag	
	ville, Indiana 4	7714	
JANUARY SPECIALS		JANUARY SPECIALS	
NEW EQUIPMENT		USED EQUIPMENT Reg	Sale
One Free AC Supply with th		TR-4 (Demo) \$435	\$419
following:		Galaxy V (Demo) 330	31.9
	\$420	Hallicrafters HT-	
Drake TR-4	599	26 (5 Mo. Old) 295	275
Swan 350	420	Johnson Ranger	
R4-A & T4-X Combo	799	LIKE NEW 85	79
Galaxy 2000 Lin. Demo		Gonaet IV Lk New 185	169
Reg	Sale	Heath HP13 59	49
TR-44 \$64.95		Heath HR10 75	65
	90.00	GSB201 Linear 1KW239	225
Hy-Gain TH-3 Jr 74.50		Eigo 735 w/newPS	249
HUSTLER SPECIAL: One free RG8/U - \$12 per 100 Foot.			
Waters Model 2001 \$43.00.	World's best P	hone Patch - Mars - Reg	. \$29

sale price \$23.95. Hy-Gain 3-Element 10 meter \$30.00. Drake 2-BC

MINUTES, Contd.
because just now we realize what a friend he is to Amateurs. Ray has worked on every job the Club asked him to do, including President, Treasurer, Board of Director, Emergency Co-Ordinator and many more. He gave to Amateur Radio freely, with never a thought of gain for himself. We could go on page after page, telling of his unselfish devotion to his hobby and fellowman.

#### BE IT RESOLVED:

That Raymond G Miller be declared a silent key and that his call letters, W90G, forever will remain silent. That a copy of this resolution go to the FCC for their consideration. That the TRI STATE AMATEUR RADIO SOCIETY be in mourning, at least thru January 1967. That a copy of this resolution be entered in our minutes and a suitable floral decoration be sent to his grave, in the name of the TRI STATE AMATEUR RADIO SOCIETY.

For the Tri State Amateur Radio Society;

President: J. L. Lavancy, WgLXA, Vice President: H. E. McClellan Secretary: C. C. McGuyer, WgDGA, Treasurer; Jack Young, K9LAU, Directors, E. J. Green, K9PNJ, J. P. Wurtz, K9JSK, H. Gelbraith, W9RDJ, R. Greens, K9JQY, C. W. Robertson, W9MKZ and S. Arthur WA9JZX, Copy to FCC, ARRL, Indiana SCM.

MINUTES, Officers and Board of Directors, Jan 17, 1967. All officers and Board of Directors were present. Also in attendance was K9STX Program Chairman and W9NZC Sparks Advertising Manager. Pres W9LXA called meeting to order at 730 pm. Seety W9DGA read minutes of regular officers and Board of Directors meeting of Dee 13, 1966. Minutes were read and approved of a Special Board of Directors meeting Jan 4, 1967 regarding the death of Raymond G Miller, W9OG. The secty read a thank you note received from Mrs. Betty Miller regarding the floral arrangement sent by TARS. A card was also read from ARRL concerning the 'passing of May stating arrangements are being completed for a listing in the "Silent Keys" section of an early issue of "OST."

On motion of K9PNJ, accorded by WA9JZX the bill be paid for the floral arrangement for W90C. Motion carried. K9LAU gave Treasurers (next page)

1	FROM THE "HAM" STORE		
Mil)	NCX-5 Mark II Transceiver	\$499.50	
DoN ST.	NC-270 Receiver	199.50	
a 0 .	NC-60 Spec "B" Receiver	59,95	
IN A IS	Heath GR-91 Receiver	30.00	
S	Gonest G-63 Receiver 6 bands including 6 meters	125,00	
o ui	Swan 140 Transceiver - Top Condition	137.50	
2 2 3	Globe 6 and 2 meters Transmitter	99.50	
MIKE WKIN	Viking Transmitter	99.00	
W 5 5	HC-10 SSB Adaptor	49.50	
- MIKE	RME 6900 Receiver	199.50	
NIJE	Johnson Matchbox	45.00	
2131	HQ-110 Receiver	159.50	
RUP West	Gonset 2 Mater Sidewinder - New was \$399.50 Now	299.50	
200	Hallierafters SX-99 Receiver	85.00	
PA - PA West	Heath "Two er" Transceiver	32.50	
i w	Globe "Scout" Transmitter	49.50	
134	Drake 2-B Receiver	175.00	
UIW -	Eico Code Oscillator Kit	2.50	
450	Eigo VOM Wired	5,95	
OH			
	All EigoCraft Kits in Stock		

MINUTES, Cont'd.

annual report showing a balance of \$1,051.32. On motion of W9RDJ seconded by K9JSK report by treasurer K9LAU be accepted as read. Motion carried.

A discussion was had relative to an EC for Van County. K9STX will act as interim EG. A lengthy discussion was had relative to a 10 meter fixed and mobile frequency. On motion of KSPNJ, seconded by W9RDJ, "29.6 Me" be the local emergency frequency and that a net each Wodnesday starting February 1, 1967 at 7 pm be held in conjunction with TARS renewed emergency program. Motion carried.

After discussion of TARS financial situation concerning "Hamfest" and the "Annual Founders Day Banquet", K9LAU suggested a Finance Committee be appointed to recommend a budget for 1967. The president appointed a Finance Committee composed of K9LAU Chairman, with W9MKZ and K9JSK as members. This committee

will make a report at the next Board of Directors meeting.

The president announced W9RDJ would handle "Antennas" and K9JCY "Operators" at the TARS ARRL Field Day in June. W9WNM will donate a copy of "Roberts Rules of Order" to TARS for use by the presidents at meetings.

Under new business W9RDJ suggested a "QSL" Contest. It was recalled that TARS had sponsored such a contest as this in the years of 1947, 1948 and 1949. The president made a statement that he would keep business to a minimum at regular meetings. Meeting adjourned at 930 pm. -- W9DGA Secty TARS--

#### "TRIBUTE TO RAY MILLER" from the ARA

All members of the Amateur Radio Auxiliary wish to express their sincerest sympathy to Mrs. Betty Miller, our outgoing president, and Mrs. Anna Miller in the passing of their beloved husband and son, Raymond G. Miller, W90G.

His absence will not alone effect the Tri-State Amateur Radio Society but the ARA as well. It is with great esteem we think of Ray as a faithful, willing and proficient worker with any and all endeavors the ARA attempted. We will never forget the gracious hospitality of the Miller's who were hosts to various parties in their home, the latest being this pas Christmas.

His passing has been a saddening shock to each and every one of uso While we are awars of the inevitable -- we are thankful his illness wasn't an extended one and he has gone to his due reward -- one which we all earnestly hope to schieve. Ray indeed was a model for us all. We truly hope betty will continue her friendship with our group as we feel sure that would be Ray's wishes.

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#### TRI STATE AMATEUR RADIO SOCIETY -- ANNUAL TREASURERS REPORT

Cash bal. Jan 1, 1966.	\$1,274.51	DISBURSEMENTS	
RECEIPTS Dues Sperks	168.00 129.75	Meetings Supplies	\$18.22 9.25
From members for QST Hamfest	31.50 285.00	Sporks ARRL-QST	81.54 31.50
Founders Day Banquet Club Directory	31,50 .35	Hamfest Founders Day Banquet	412.25
Auetion	8,25	Fees and Taxes Generator Cradle Repair to Generator	1.00 12.75 21.31
		Miscellaneous Insurance	.50 70.00
		Rental, Post Office Box Field Day	12.00
		Transmitter Hunt Awards	5.29
	\$1,928.86	Contribution, Blind Assn	36.55 \$877.54

Cash Balance, December 31, 1966 - \$1,051.32. Jack Young, K9LAU, Tressurer, TARS.

#### "TARS JANUARY MEETING PROGRAM"

#### By K9STX, Pgm Chm.

TARS January meeting will be held at the "Lighthouse", Second Avenue and Virginia Street starting promptly at 730pm, Thursday January 26, 1967. Business will be held to a minimum. The program will be Bill Ogg, WA9RMO, speaking on "New Equipment." The February meeting will be the Annual Auction with Howard "Humpy" Campbell, W9JFJ PP as auctionser. Start making your plans now for this "gala" event now and bring planty of equipment. The March meeting will be "First Aid" by Ingle O. Tetrich.

HURRAY

"29.6 Me Comes Back"
By "Little Ed", K9HVI

29.6 Me is going to be active again. This is the best news in a long long time. I know many, many fine hama who miss the activity on 29.6 Me. I can only go back to 1957 when there was W9YZO, W9WUH, W9BEW, E9SWN, W9FJI, W9OVB, W9OG (Silent Key), W9AIN (now there is a real ham) (He is one of the younger men on the bands), W9VZX, K9GEO, W9YZM, W9NAT, K9KLX, W9GSC, W9AEW, K9GBB, W9ZPP, W9LXW, W9UMS, W9LVL, W9RDJ, K9JQY, K9JSK, K9PNJ, W9HVI, W9DGA, W9KVE, W9EHU, W9CLW, W9JFJ, W9GFS, W9MWM, W9NZC and many many more.

Of course some of these have left town now and some I haven't heard from

Of course some of these have left town now and some I haven't heard from for a long time, but, am listening for all the Local, new and old timers on 29.6 Me, any time of the day or night. (Ed note. This frequency used to be a local "calling frequency" any time of the day or night, and an answer could "always" be received if a call put out on 29.6 Me. Many amateurs have expressed there "joy" at hearing 29.6 Me will be reactivated by TARS.)

FOR CALE. Heathkit Sixer, HW29A and Heath Vibrator Power Supply, all for \$35.00. See Chuck Johnson, K9PAR, Phone 424 7028. (Ed note, sould be be moving to 29.6 Me, that is where the "Actions is going to take place).

All smateurs are invited to participate in the 1967 ARRL International DX Compatition, the first and third week ends of February and March. Major rule changes include dropping of the dw quota, Hawaii and Alaska revert to DX status and a change in multipliers for DX stations from call areas to states as noted on page 56 in January OST. Logs available from ARRL free.



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OFFICERS
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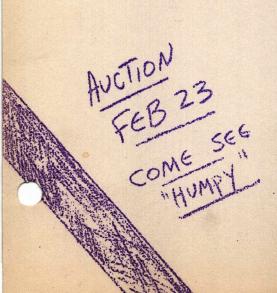
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Jack Young, Treasurer, K9LAU 1715 Madison Avenus. 476 8127

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Clifford McGuyer 2900 E. Oak St. Evansville, Indiana L9DGA

#### "I HAVE MY FRIENDS"

If I had nothing else in life To make me glad today, I would remember all the friends Who ever came my way. The ones who took me by the hand And gave their smiles to me --Who helped me on and did so much To brighten memory. I would remember those who spoke A kindly word or two, Especially at a time when I Was feeling sort of blue. Yes, they would all return to me And linger in my mind And I would have the joys again I had to leave behind. But I am really not in need of happiness today Because I still have all the friends Who ever came my way.

I want to thank the members of the A.R.S. for all their kindness during my becausement and the nice tribute to Ray in last month's SPARKS.

Yours in Faith, The Widow of W90G Betty Miller Hi there fellows!! Here it is February and this month is just about gone. I'm sitting in my shock looking over the QSL cards I have on the well. Each one is different, each one is an individual, a personal touch of a fellow ham. There are quite a few old cards dating back a few years, you see a card that you like very much and as you read the big type and the small print, seems like you reminiscence through the old contact you had with the fellow. You wonder if he has the same rig and what he is doing for a living.

CSL eards are sort of precious to me. Here is a QSL I had with a chap in Oxfordshire, England, GSGHE. It isn't an old eard, just 1962. His name was Charlie. I worked him on 21 me and used an inverted V antenna which was for 75 meters. I was surprised I got out but he did read me and we

had a nice (SO.

I also have a QSL card from a friend of mine that is faded and torn.
The QSO we had was about 27 years ago. It seems like only yesterday. I do
see him once in awhile. So you see QSL cards on the wall, do mean something

to a fellow, and it does add that little something to the ham shack.

We do have an EC for this area now. Don Weber, K9QWV has accepted, ac fellows give Don your help. Don't forget to give Don a hand on Wednessay nights on 29.6 ms. February is our month for the auction. Howard (Humpy) Campbell W9JFJ will be our auctionser. Lets bring the Goodies out for Humpy to auction off.

#### "MINUTES, Regular Jamuary Meeting, TARS, Jan 26, 1967.

Officers present W9LXA Pres. W9DGA Secty, K9LAU Treas and Directors K9PNJ, K9JSK, W9RDJ, K9JQY, W9MYZ and WA9JZX. Pres W9LXA called meeting to order at 740 pm. There was a moment of silent pause in tribute to the memory of our Past President, Raymond G Miller, W9OG. A total of 30 members and guests were in attendance. Minutes of previous meetings were approved as printed in SPARKS.

Secretary W9DGA read sympathy acknowledgement from Mrs Raymond G
Miller. Pres W9LXA gave brief report on the possibility of obtaining the
eall W9OG for TARS. W9AIN is in the process of making the necessary
application to the FCC. The pres gave information conserning the "Bison",
the publication of the Indiana Radio Club Council. A years subscription

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eosts one dollar and K9PAR will take the subscriptions. Treasurer K9LAU outlined "Hamquest 67" and how our club will tie into this as a membership drive for TARS. The first new member, actually a remayed member, C B Long, W9AZU was enrolled. The acting EC K9STX announced TARS plan to reactivate 29.6 me. The first net will be held Wednesday Fab 1, at 7 pm with K9STX as NCS. Each Wed thereafter K9STX will be NCS.

Director and immediate Past President, K9JQY announced the local winners of the ARRL Sweppstakes Contest. This is an annual award of TARS and a plaque is awarded to TARS high phone and high CW accrers. K9JQY presented plaques to W9RDJ for the high Phone winner and to W9DGA as the CW winner.

The meeting adjourned at 755 pm and was turned over the the Pgm Chm K9STX who introduced the speaker of the evening, Bill Ogg of the Eval Ama Rad Supply who gave a demonstration and talk on "New Amateur Equipment."
Bill was very well received by all present. Coffee and Donuts were served by WA9BPP. —W9DGA Secty TARS —

#### "MINUTES, Officers & Board of Directors, Feb 14"

Officers present: W9LXA Pres, W9DGA Seety, K9LAU Tres and Directors W9RDJ, K9JSK, K9PNJ and WA9JZX, Also present was W9NZC Sparks Ad Mgr. Meeting called to order by Pres W9LXA at 740 pm. Seety W9DGA read minutes of January Board of Directors and regular January meeting. Minutes approved as read. Tressurer K9LAU read Tress report and was approved as read. Bank bala nee was \$1,088.82. WA9JZX reported cards were made out and will be sent to local radio and TV stations advertising our coming auction.

Pres t9LXA reported for K9STX on 29.6 ms. After discussion it was

Pres w9LTA reported for K9STX on 29.6 ms. After discussion it was agreed to continue to push 29.6 ms with the hope of getting good participation by the fall of this year. All agreed we should make our local sontects on 29.6 ms and to use the tentative time of 7 pm. The AREC new will

still be 7 pm each Wednesday with K9STX as NCS.

Treas K9LAU reported statements have been sent out to members for dues.

Also invitations to hams in the local area inviting them to attend the auction is in process of being completed. The Budget Committee comprising K9LAU Chm and Dira K9JSK and W9MKZ made report. After lengthly discussion, on motion of "W9RDJ", "the budget as presented by the budget comm be adopted." Motion seconded by WA9JZX. Motion carried. Under items for consideration in the budget discussion was had on "Hamfest", Replacement of Duplicating

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MINUTES Contod. Machine" and "Ham School." After lengthly discussion. on motion of K9LAU, "that TARS aponsor a Hamfest of comparable scope as in the past few years." Motion seconded by WA9JZX. Motion earried. Pres W9LXA amounced WA9HGA would be the General Chairman of Hamfest with K9LAU and W9LXA and Co-Chairman. After further discussion, on motion of WA9JZX, "\$600.00 be alloted for the total expenses of the Hamfest." Motion seconded by K9LAU and sarried.

A discussion was held relative to replacing the club "ditto" mashine. On motion of K9PNJ a committee be appointed to investigate replacing the elub ditto machine, recommending kind, type and price at the next Board meeting. Motion acconded by WA9JZX and carried. The Pres appointed K9PNJ and W9DGA to serve on this committee. A figure of \$300 was discussed as

being the top price to be paid.

Under "Hem School" W9AIN and W9MKZ will be contacted by the Pres. It was agreed the achool would be kapt small with emphasia on recommended students who would complete the course rather than a large advertising prom which would get lukewarm students that drop out before somple ting the course. Pres W9LXA announced K9QWV is to be the new vanderburgh County ARRL

Emergency Coordinator. Meeting adjourned at 943 mm. -- W9DGA Seaty TARS --

#### "THE ALL MODE FREQUENCY, CW AM SSB, 29.6 MC TID BITS" By K9HVI

Well 29.6 me got off to a good start. I don't have much time to operate this month due to night work, but wait till next month. I do get to listen a lot and heard W9RBV, W9DGA, K9JRI/M & XYL, W9BSK, WA9FSE, K9STX, K9PNJ, WA9FEV, W9OU and K9QLB just to mention a few.

I had just signed out with W9RBV and was leaving the shock when I heard a sarrier so I turned around them I heard K9HVI de VE6MO, it surprised me, I said, "Go Ahead", we talked a few minutes. He saked if I knew W9SWN?
That they had schedules and he hadn't heard W9SWN for a while. So those two will get together am sure on 29.6 Me. See you sil on 29.6 Me. "TARS TREASURERS REPORT" By K9LAU, Treasurer,

Cash Balance - beginning of year Receipts to Jamuary 31

\$1,051.32 61.50

Disbursements to January 31

24.00 088.82 Cash Balance

WE STOCK	USED	
Drake TR4 R4A T4X	HW22 like new	89.00
Galaxy (new) MK2	Hallieraftera HT46	275.00
Swa na \$350.	Johnson Valiant	125.00
Galaxy 2000 & Lin	Eigo 753 W/AC PS	275 00
Hy Cain Beams	Apache like new	99.00
Mosley Beams	DX 40 like new	45.00
Huatler for Mobile	DX60 like new	75.00
Man of the Contract of the Con	GSB201 Lia	229.00
	HT40	55.00
	Mosley CM-1 (mew)	99.00

WE'LL SEE YOU AT THE AUCTION. WE'LL BE LOADED FOR BEAR- BRING

ALL YOUR CASH HI. WE WILL SAVE YOU LOADS.

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Dave Clark WA 9RFK

\$1,112,82

#### "TARS FEBRUARY "ELLING "... CORAM" By K9STX, Pgm Chm.

TARS February meeting will be the Annual TARS Austion, with Howard "Humpy" Campbell, W9JFJ as the austioneer. Make your plans early and bring plenty of equipment.

The March meeting will be "First Aid" by Ingle O. Tetrie h.

#### - "ARRL SWEEPSTAKES CONTEST 1966, TARS Entrees" By K9JQY PP

W9RDJ and W9DGA took part in the ARRI. Sweeps takes Contest, 1966. Each submitted complete and detailed reports of their activities in the contest. In addition to the long hours of work required, on the sir, these reports prepresent a considerable amount of paper work in presenting the work that they did in the contest. Our Club want on record in the 1965-66 year to make this event an annual one, and to sward appropriate trophics to the winners. The contest is open to any Club member. As your president during the year 1966, it is my duty to accept these reports, evaluate them, and find awarded the trophics at the January meeting to W9RDJ for his Phone entry and to W9DGA for his CW entry. Complete informs tion may be had on the rules and the method of acoring in November 1966 QST. Both W9RDJ and W9DGA should be congratulated on their activities in the Sweepstakes contest.

Bob Deeker, K8CYV is looking for Evanaville contacts at 8 am each Wednesday morning on 3875 Kea. If you are around at this time give Bob a call he will appreciate it....Another Moonbounce auceas has been reported. On January 27, from 0600 to 0700 GMT, W6DNC worked F7DO on 144 me....Ameteurs are again reminded that the following countries object to communications between their amateurs and those of other countries. Cambodia, Indonesia, Thailand and Viet Nam forbid such radio communications. The prefixes to avoid are HS, XU, 3W8 (or XV5) and 8F. K1YPE/XV5 is operating from Viet Nam with the express authority of the local government and the FCC, therefore, has no objection to the U.S. ameteurs working K1YPE/XV5....Hearty congratulations to the CENTRAL DIVISION for going over the top in the ARRL Building Fund... There is a reduced number of newcomers to ameteur radio. FCC's total of ameteur operator licensees for December 31 is down 10,000 from a year ago... In Camada the Department of Transport now has a policy of issuing a VE call to any alien ameteur whose government is willing to extend the same courtesy to visiting Camadians.....Come See "Humpy" at the Auction, Thursday.

GSB-2 2 meter transceiver new low price	\$299.62
AC Power Supply for above new low prise	55.00
NC-270 National Receiver	199.50
Eigo 753-K Transcciver	189.95
Power Supply Kit for above	79.95
RME-6900 Regie ver	199.50
	175.00
Drake 2-B Receiver	94.95
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ARRL Handbook '67 New Edition \$4.00 '66 Edition	3.00
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Many other items. You can save mozey by buying quality pr See Irene, Paul, Mike, & Dom, CASTRUP'S, 1014 W Franklin	Street



TRI STATE AMATEUR RADIO SOCIETY, Inc.

Published monthly by the Tri State Amateur Radio Society, Inc., as its official organ.

MARCH 1967 AMATEUR RADIO W90G

Affiliated with the American Radio Relay League and the Indiana Radio Club Ccuncil.

Clifford C McGuyer, W9DGA FP, Editor. 476 7483

Herb Muth, W9NZC, Advertising Manager. 423 0373

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Tri State Amateur Radio Society
2900 East Oak Street
Evansville, Indiana. 47714.



Clifford McGuyer 2900 E. Oak St. Evansville, Indiana L9DGA

Officers present: W9WNM Vice President. TODGA PP Secretary. K9LAU Treasurer. K9PNJ PP, WA9JZX, K9JQY PP, K9JSK PP and W9MKZ Directors. Meeting called to order at 7:37 pm by Vice President W9WNM. A total of 42 members and visiters were in attendance on a cold and snowy night.

Minutes of past meetings were approved as printed in Sparks. Treasurers report approved as printed in Sparks. Secretary W9DGA read report from ARRL pushing 29.6 mc

for low power AM use.

Program chairman K9STX introduced the auctioneer, Howard "Humpy" Campbell W9JFJ for the Clubs annual auction. Humpy put on an excellent auction and everyone enjoyed and had a profitable evening. The clubs percentage amounted to \$12.70.

Meeting adjourned at 935 pm. — W9DGA Sccretary — "THE PRESIDENT'S CORNER" By W9LXA

Hi there Fellows! Let's us talk a little bit about our Emergency Program in Evansville concerning Amateur Radio. Amateur Radio exists only for the service it renders. We have come a long way in emergency work and a lot is yet to be done. New emergencies come before us every year. High water, hail, high winds and tornador are the emergencies we dread most in our area. There could be other tragedy, such a explosions, cave-ins or an extreme power failure. We, as hams try to be prepared to cope with these emergencies in order to help others.

The AREC in Evansville is underway with Bon Weber K9QWV at the switches and ready to go, so far with the high water we are having the AREC has not been called on. But are we ready! There are a few fellows taking part. There would be more I'm sure but due to their work and other obligations they are unable to take part. The frequency of 29.6 mcs is on during the week from 7 pm till?. There are a number of fellows monitoring the frequency of 29.6 mcs. I think Evansville is in

good shape. Many of the hams are mobile and many are fixed stations.

According to the ARRL Public Service Communications Manual, the object of Emergency Communications is to save lives, anything else is secondary. The National Calling and Emergency Frequency on the 10 meter band is 29.640 Mcs. That frequency should also be monitored.

—W9IXA President TARS—

"1967 DUES ARE DUE!" By K9LAU TARS Treasurer.

Have you paid your 1967 dues? If not, the Treasurer would be glad to accept your money - \$4 for regular members, \$2 for student members. See K9LAU at the meetings.

### SPRING SPACIALS

B & W Linear Amplifier	249.50
P & H Linear Implifier	149.50
Globe Scout Deluxe, Live New	89.50
Globe Scout, Older Model	49.50
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Tational MCA-5	499.00
Viking I Transmitter	99.00
40 Meter C W Transmitter	29.90
Novice Transmitter	15.00
NC-270 (Used 2 weeks) Receiver	199.50
Geloso Receiver and Transmitter, \$199.50 each or both :	for350.00
S-130 Hallicrafters Receiver	94.50
RE 6900 Receiver	199.50
S-20-R Receiver - As is -	25.00
NC-77% National Receiver	69.95
SX-117 Hallicrafters - see this one - its really nice	279.95
Editors and Engineers Handbook	12.95
ARRI Handbook '67 Edition 4.00 '66 edition	3.00
Blitz Bug lightning arrestor for Coaxial Line	3, 95
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Lighthouse, Second Avenue and Virginia Street. Officers present: W9LXA President. W9DGA PP Secty. K9LAU Treassurer. Directors W9RDJ PP, K9PNJ PP, WA9JZX, KOJQY PP and KOJSK PP. Also in attendance were Prgm Chm KOSTX PP, Sparks Advertising Mgr W9NZC, Hamfest Chm WA9HGA, K9PAR and K9TKB.

President W9LXA called meeting to order at 735 pm. Secty W9DGA read minutes of preceding meetings and were approved as read. Treasurer K9LAU submitted Treasurers report showing a bank talance of \$1.097.83. Report approved as read.

Secretary W9DGA read meeting notice from the Indiana Radio Club Council refarding the Spring Meeting to be held in Indianapelis on April 2, 1967. After discussion, on metion of K9PNJ, that \$10 be alletted for transportation for a TARS representative to attend this meeting. Motion seconded by K90SK and carried.

K9PNJ reported on the duplicating machine. K9PNJ and W9DGA investigated purchasing a different machine for Sparks. Such a machine was located at Smith and Butterfields for \$125. Contact was made by the President with other Board members to purchase this machine. The machine purchased was an A.B. Dick Model 435. old "Ditto" machine will be sold by Sparks advertisement for a "best offer."

Treasurer K9LAU reported on the Treasurers Bond. The bond for the treasurer

will be transferable and will always fall due on the first of the year.

K9STX reported on 29.6 mcs operation. He stated that more and more stations are getting on low power AM on 29.6 mcs. K9STX and Tom King, K9TKB reported on using Heathkit rigs on 29.6 mcs. After discussion, on motion of WA9JZX, "the club buy 2 Heathkits model GW12D for \$39.95 less 5%. Necesssary crystals also to be purchased. The appointment of a committee with K9STX as chairman, with K9TKB and WA9CDP to build, experiment and have a program for TARS May meeting. Also included will be a simple vertical ocaxial antenna. These units then to be sold to club members. Notion seconded by W9NZC and carried.

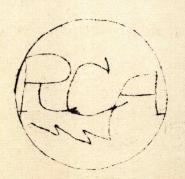
Hamfest chairman WA9HGA gave a comprehensive report on Hamfest for this year. WA9HGA has already put in lots of work on planning the TARS Hamfest. The Hamfest

will be held this year at the "Rural Center", July 16, 1967.

W9LXA reported TARS has received the call of Ray Miller, W9OG as the club call for TARS. W9AIN, the club trustee made the arrangements. -- W9DGA Secty TARS-



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Have you paid your 1967 dues? If not, the Treasurer would be glad to accept your money - \$4 for regular members, \$2 for student members. See K9LAU at the meetings - or mail him a check. Jack Young, K9LAU, Treasurer, TARS, 1715 Madison Avenue, Evensville, Indiana, 47714.

HOW ABOUT A NEW MEMBER? Talk up the club and the activities, fellowship and exportunity to widen your personal friendships in ham action. I'll bet you have a Ham friend who is not a member and only needs to be asked to join! Try it.—K9LAU—

29.6 Mc Becomes the National QSO Frequency.
From the HAMSTER News Letter

Several months ago a project was started in Denver, Colorado, to encourage the conversion of eleven meter transceivers to the high end of the ben meter band and at the same time promote a common QASO frequency for the U.S. and Canada. This coincided with a very timely article in February QST on the conversion of these rigs. This project - the idea of a common U.S. and Canadian QSO frequency - was presented to the ARRL Executive Committee with the following results: At the February meeting of the ARRL Executive Committee, it was recommended that all amateurs in the U.S. and Canada encourage and support the use of 29.6 Mcs as a common frequency for use by all types of low power AM gear, such as converted walkie-talkies and transceivers, Teners Rangers, AF.-67's and other rigs in this general power category.

The purpose is to encourage monitorying of one or more commonly accepted frequencies - something which can be done quite handily with the converted CB transceivers employing the squelch feature. This is not meant to replace the present NCEF (National Calling and Emergency Frequency), 29.640 Mcs but is a frequency for low power gear. It provides a channel for fixed or mobile operation for rag chews. AREC activities, and makes an excellent primary or alternate club frequency. This, as you can see, will assure amateur occupancy of the high end of the ten meter band.

Experimentation with the 100 milliwatt through the five watt power categories indicate that vertical polarization is to be encouraged - an additional factor for improved mobile operation. On-the-air checks indicated that a five watt rig can "break" the sixty to one hundred watt rigs to let it be known an additional station wishes to be heard. (Cont'd next page)

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29.6 Mcs. Cont'd.

With the existing AREC and RACES nets as well as club and mobile groups now operating near the high end of ten, and with all the cheap, used AM rigs in stores and those nearly forgotten since the big sideband swing, there should be many amateurs able to use these frequencies again. The conversion article in February QST has also produced a lot of interest in this idea. Crystal control on 29.6 Mc with nearby alternate frequency channels is a natural as a common National Frequency as well as for local and club use. Your help is requested in encouraging and implementing this plan for the League-wide use of 29.6 Mc by all amateurs. -W/HEP, Denver, Colorado.

#### "TARS MARCH MEETING" by Program Chairman, K9STX.

The regular March meeting of the Tri State Amateur Radio Scciety will be held at the "Lighthouse", Second Avenue and Virginia Street starting promptly at 730 PM.
The business will be held to a minimum so full time can be devoted to and outstanding program. The date is Thursday, March 30, 1967. The program will be Ingle Tetrech, on the subject of "FIRST AID IN ELECTRICAL SHOCKS."

The program for April is W9RDJ on "TELETYPE", For May, "Low Power AM gear for 29.6 Mas" by K9STX, K9TKB and WA9CDP. Make your plans now to attend TARS meetings.

W9AIN reports that TARS now has officially received from the Federal Communications Commission the call sign of the late Raymond G Miller, W9OG, PP, as the Clubs radio call sign. W9AIN is the TARS club station Trustee.

""ARS HAMFEST" - July 16 - By Hamfest Chairman, WA9HGA.

The Annual Tri State Amateur Radio Society Hamfest will be held Sunday, July 16, 1967 at the "RURAL CENTER" on Highway 41 north of Evansville. Co Chairment are K9LAU and W9LXA. More details later. —WA9HGA, Hamfest Chairman—

Among the many operating aids available without charge from ARRL are the following, all designed to aid your operating effectiveness: Pointers for Good Operating, WAS map and card record, net directory, phonetic alphabet, ending signas, RST system, DX code, contest QSO record, safety code, ARRL DXCC Countries list, QN signals for CW net operation and GMT time conversion card. All free from ARRL, 225 Main St. Newing-

of the case of the conversion cares -11 1100 1	ton.
Eico 753 with AC Power Supply	\$250.00
SX101 Mark III	170.60
HE 45 6 meters	59.00
B & W 5100 Transmitter	90.00
HT 46 SSB Like New	275.00
Mosley CM-1 New	95.00
HG10 VFO	24.00
Valiant Factory wired	130.00
SR500 Like New	65.00
<b>BX63</b>	65.00
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HQ 150 Receiver	135.60
HP 13 D C Supply	49.00
Drake 2 B & Multiplier	28.00
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RG 8/U If you mention this add per hundred f	cod \$12.50 otherwise \$13.50
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TRI STATE AMATEUR RADIO SOCIETY. Inc.

Published monthly by the Tri State Amateur Radio Society, Inc., as its official organ

APRIL 1967 AMATEUR RADIO WOOG

Affiliated with the American Radio Relay League and the Indiana Radio Club Council. C McGuyer, W9DGA Editor. 476 7483 Herb Muth, W9NZC, Advertising Mgr. 423 037

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Les LaVanchy, President, W9LXA kR#1, Wadesville, Indiana. 985 3530

Harold McClellan, Vice President, W9WNM 781 Cardinal Drive. 423, 5184

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DOA Sector PARS --Clifford C McGuyer, Secretary, W9DGA 2900 East Oak Street. 476 7483

Jack Young, Treasurer, K9LAU 1715 Medison Avenue. 476 8127

ndifuon traivery to setunil .commisses a TARS Regular Monthly meetings held at the Lighthouse 2nd Avenue and Virginia Street last Thursday of each Month. 730 pm.

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Paul Wurtz, K9JSK 67 3404 Stratford Road	423 8786
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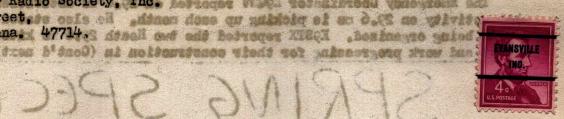
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E.B.E. Linear 1000 Watt PEF

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April 18, 1967. Officers present: W9IXZ Pres, W9DGA Secty, K9LAU Treas, and Directors WA9JZX, K9PNJ, W9MKZ and K9JQY, Also in attendance were Hamfest Chairman VA9HGA and Hamfest Co-chairman K9PAR. Meeting called to order at 735 pm by President WOLKA. Minutes of previous meetings read by Secty WODGA. Minutes were approved as read. Treasurer K9LAU presented Treasurers report showing a bank balance of \$956.44. Preasurers report approved as read.

Pres WOLKA reported no amateur radio school will be conducted by TARS this year. K9PNJ reported for K9STX on the Heathkit 29.6 mc transceivers. Earl reported

the units went together beautifully and worked in an excellent manner.

Hamfest Chairman WA9HGA gave a comprehensive report for the coming TARS 19th annual Hamfest July 16, 1967, to be held at the Rural Center, Highway 41 North of Evansville.

K9PNJ dissussed the possibility of having a "TARS Property Officer." Treasurer K9LAU ran through the property file cards and those in attendance advised him the

latest location of club property.

W9MKZ announced a Transmitter Hunt will be held by TARS Sunday, April 30, 1967. Meet at Reitz Hill at 2 pm for mileage checks. The transmitter will be hidden within Vanderburgh County. The frequency will be 29.6 mcs of the "Hidden Transmitter." Meeting adjourned at 940 pm. - WODGA Sectry TARS -

#### "MINUTES, TARS, Regular March Meeting, March 30, 1967"

Officers present: W9LXA Pres. W9DGA Secty, K9LAU Treas and Directors K9JSK, WA9JZX, W9MKZ, K9PNJ and K9JQY. Meeting called to order by Pres W9LXA at 738 pm. A total of 28 members and visitors were in attendance. Minutes of previous meetings and Treasurers report approved as printed in "Sparks."

Pres WolkA announced that TARS has received the call sign of the late Raymond G. Miller, W90G, from the FCC. In future events of TARS such as Field Day the call sign

W90G will be used.

Hamfest Chm WA9HGA gave comprehensive report on the coming TARS Hamfest to be

held July 16, 1967, at the Rural Center, Highway 41 North of Evansville.

The Emergency Coordinator K9QWV reported on 29.6 mc activities. Don reported that activity on 29.6 mc is picking up each month. He also stated a 75 meter phone met is being organized. K9STX reported the two Heath 29.6 mc kits have been received and work progressing for their construction in (Cont'd next page).

SPRI	NG	SPECIA	LS)
USED		NEW SPECIALS	
Swan 350	\$299.00	D104 Microphone	\$24.95
Galaxy III	199.00	Hy Gain TH3 MK 2	95.00
Hallicrafters SR500	235.00	Hy Gain 402 BA	95.00
Eico 753	199.00	RG8/U 11.9 cents per foot	
	225.00	S.B.E. Linear 1000 Watt PEP	199.00
Drake RV3	75.00		
Hallicrafters HT46	260.00	One Free Matching A C Power Su	pply with
Eico 753	69.00	every New 5 Band Transceiver.	Good thru
HQ 150	120.00	May 30, 1967 clearance Sales.	Save up
HG 10 V F O	29.95	to 40%.	
DX 40	45.00		
AT-1	25.00		

EVANSVILLE AMATEUR RADIO SUPPLY

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MINUTES, Cont'd.

preparation for the program at the TARS May meeting.

178,50

00.81

Program Chairman K9STX introduced the speaker of the evening. Mr Ingle Tetrech, who gave a talk and demonstration on the subject, "First Aid in Electrical Shocks."
Mr Tetrech was well received by all.

THE STATE ALANGE AND COURTY, LAND

Coffee and donuts were served. Meeting adjourned at 935 pm. -- W9DGA Secty--

#### "THE PRESIDENT'S CORNER" By WOLXA

Hi there fellows! Well, here it is summer weather and mobile time again. Do you have your rigs in top shape for this summer? There are always a few things that have to be done at the last minute. How are the chassis mounts or the cabinets mount that keep the rig in place? What about the antenna, does it need polishing up from the winter weather? What about the ignition noise? These are just a few things to check to have that mobile going in top shape. O yes, dust up the rig also.

It might be a good idea to check upon your test equipment for your mobile. The grid dip oscillator, field strength meter, some of the RF output meters and calibrato: These pieces of equipment may have been on the shelf all winter and may need a little work done on them also. Just think, in order to get the mobile going, it takes a couple of days to get everything else ready. Hi Hi. Altho these things must be done, mobile radio is a part of our hobby. We do enjoy those contacts with our friends.

One of the frequencies that is being used is the 29.6 mc on the 10 meter band. I have been informed that some of these new Heathkits will be mobile on 10 meters. It looks like Evansville will be well represented with mobiles. We are going to try to have several transmitter hunts this summer. Your mobile rig will come in handy. Here is hoping you will enjoy your mobile. —W9IXA, Ies, President TARS—

#### "TARS 19th ANNUAL HAMFEST" By WA9HGA

Date July 16, 1967. Place 4H Center (Air conditioned auditorium). Grand Prize GALAXY V, Mark II. With A C Power Supply and Speaker. Time: 9 AM till ??? Advanced registration \$1.50, at the door \$2.00. Adult Dinners. \$1.25, Childs 65¢. Activities. lots of prizes, Swappers row, Bingo for the ladies, Eyeball QSO's. Fishing, Volley Ball and Basket ball courts, Contests. Lots of Big Exhibits from leading jobbers and manufacturers. Plenty of Parking areas. Free Coffee and Domuts in 111 9 AM. Auction, bring your goodies, they will be sold to the highest bidder. Free 175' of Copper antenna wire. Baked ham-cole slaw, baked beans, potato salad.

DX_40 Transmitter	\$37.50
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Globe Chief Transmitter	29.95
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Eico 720, 90 watt Transmitter Kit	59.50
Novice Transmitter Kit	19.50
40 meter C W Transmitter	29.90
SX-99 Reciever	75.00
Heath Receiver	25.00
Eico Citizen Band Transceiver-can be used on 10 meters	40.00
NC-270 National Receiver	199.50
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## TRI STATE AMATEUR RADIO SOCIETY, INC.. Treasurer's Report March 1967 By K9LAU

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CASH BALANCE -- EndingMarch 1967 \$956.44 \$956.44

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\$5.5; Johnson 6N2 Transmitter \$90; VFO \$15; Matchbox, \$15. Fone Patch \$3. E Green, K9PNJ.

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South Dearborn St, Chicago, III 60604. Radio Operator Exams by appointment only.
FORT WATHE, Room 103, Post Office Amateur Exams May 10, 1967. INDIANAPOLIS Room 526
Foderal Bldg. Amateur Exams May 19, 1967. ICUISVILLE KY, Room 446, Federal Bldg.
Amateur Frams May 25, 1967. INSTRUCTIONS: All applications for licenses (Next Page)

OHIO VALLEY SOUND, INC.

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Most complete line of Transmitting
and Receiving Tubes stocked in the
Tri State for Amateurs, Mobile
and Citizen Banders.

EVANSVILIE, VINCENNES, INDIANA. OWENSBORO, KENTUCKY. 書意

Authorized Distributor.

FCC. Cont'd must now be filed in advanced and accompanied by the required fee. Please mail the application, the fee, and any license you now hold to Chicago at least 10 days prior to the examination date. Please specify the city in which you desire to take the examination. Failure to do this will require the return of the application for this information. The application must be accompanied by the required fee. The remittance should be in the form of a check or money order payable to the Federal Communications Commission. We will not be responsible for any cash sent through the mails. The FCC examiner is not authorized to accept any fees in the examination room in the above cities.

Upon receipt of an acceptable application, an FCC Form 79 Notice to applicant will be mailed specifying the place, date and hour you are to appear for examination. FCC form 79 will be your admittance to the examination room. Fees for Amateur Exams are \$4. Address all inquiries and requests for forms to Chicago. The FCC does not maintain offices at Fort Wayne, Indianapolis or Louisville.

100 Watt PA system with Amplifier, Pre amp, Mike, stand, 2 30 watt horns, 4 10 Watt Speakers and wire for \$60. Tener w/mike, 12 VDC Pwr Spy, 29.0 Ktal, \$35. Two desks \$30, each; Cosco swivel chair \$30, Eica 460 scope \$50 many more, Earl Green, K9PNJ.

#### "BIG TRANSMITTER HUNT" By WOMKZ

The Tri State Amateur Radio Society will hold another big "Transmitter Hunt", Sunday April 30, 1967. Meet at Reitz Hill at 2 pm to get a "Mileage Check," The Transmitter will be hidden in Vanderburgh County, and will be on 29.6 Mcs. All amateurs are weldome to participate. Bring the family and have fun and meet friends.

#### "TARS APRIL MEETING" By Program Chairman, K9STX.

The regular April meeting of the Tri State Amateur Radio Society will be held at the "Lighthouse" Second Avenue and Virginia Street starting promptly at 730 pm. The business will be held to a minimum so full time can be devoted to an outstanding program. The date is April 27, 1967, the last Thursday of the month. The program will be Hank Galbraith, W9RDJ who will give a talk and demonstration on "Radio—Teletype." The May meeting will be "Low Power AM Gear for 29.6 mc" by K9STX, WA9CDP and K9PNJ. Make your plans now to attend this TARS meeting. Don't forget Field Day, June 24 and 25. The June TARS Program will be a "Field Day Rally."

# SEE THE NEW EICO TRU-V-OHM METERS TODAYS BEST BUY IN "VOM'S" \$5.95-\$8.95-\$12.95-\$15.95-\$19.95 "NESCO RADIO PARTS" 428 PENNSYLVANIA ST-EVANSVILLE, IND. PHONE 422-2141

President WolkA has announced KoJQY will be in charge of scheduling operators and W9RDJ will handle the antenna for TARS Annual Field Day June 24 and 25 at the same location as last year in Posey County. The Robinson Township Conservation Club is it.

The following is a partial list of items formerly belonging to W90G that is now for Sale, Hammarlund HX500, \$200; Hammarlund HQ180 Revr. \$250; Heathkit Warrior KW Linear HA-10, \$90; (Heathkit Scope HO-10, \$30; Astatic D104, \$10; Electrovoice 605 Mike with push to talk stand, \$12; Heathkit Sig Tracer 1T12, \$12; Heath VTVM V-7, \$15; Heath Grid Dipper, \$15; Heath Ant Impeadance Heter, \$10; Heath VOM MM-1, \$22.50; Hallicrafte Pan adapter, \$25; Olivetti Calculator 14, a fully automatic printing calculator, \$200; Cantenna 50 ohm load Heath HN31, \$5. Many many more items. Phone 476 7483 W9DGA. - COLUD 9 0 W

"STATION ACTIVITIES" by W9BBC. REPRINTED FROM "MAY 1948 SPARKS"

W9AZU has had several nice QSO's with the Hallicrafters expedition. W4IJR has just returned from a trip to Wash DC and made 90 contacts, including XE1 and 2 KP4's. While in DC he worked W9MDX with good signal strenth. W9FON/4 has new rig on 10 phone but is having speech trouble. W9GWL (Griffin's Mayor) is moving to the farm and is still planning to put up that 8JK for 75 phone. Power house Casey, W9KBA is still carrying his eggs from the Chicken house via a wheel barrel (hes the man who invented the chick en you know) he's slippin' tho, only had to replace 10 antenna coils for the BCI's this month. . W9JEU is still playing golf. . W9MKI is building new rig. . W9RDJ is building new 3 element beam. anyone seen W9GCR lately?? Why is W9MRR werried after QSO with that W5?.. W9MLL has new mobile rig and new stainless steel antenna for it. W9UNI runs 650 watts on 10-75 meters. When are you coming to a meeting John? .. WOUNT and WODGA have new Kaizers. Earl was heard testing new low poer rig, R7 out here Earl. Are you going to put it in your new car?? .. W9AMZ is off air moving rig across the room . W9WBW got his WAC and 3 element beam. W9FAK is doing good with his DX. W9PNE is the DX man from his parts with 44 countries worked. Pne is also working on a six meter beam, will work in the coming VHF contest. WoEHL has not been on lately. John has been in the Hospital speedy recovery, John. W9ZHX is moving to new location. W9BBC had contact with W1HPR one of the HQ gang. Vic told of our Society's activities. New ham in town WODDV, runs 90 watts on 10 fone.. WoNVN the college station has new beam rotator. following taken Class A exams W4PKX, W4JVB, W4IUB and W4ERH. . W9QLW building new control box. . W9GFS is rebuilding, W9GFO on vacation. W9BAX on 40 cw. W9UIA has 32 states on 50 mcs. AIN on 80

During the weekend of April 15-16, successful QSOs were made between W2IMU/s and HB9RG and G3LFF on 432 mc moonbounce, Many parts of the US will shift to Daylight Savings Time effective April 30, on which date all WIAW operation will change to EDST. Amateurs in areas remaining on Standard Time are reminded that WlAW Official and Special Bulletins, twice daily code practice transmissions, propagation forecasts and any other announced ARRL HQ station operating activities will have to be tuned in one hour earlier than usual. Further details and the complete WIAW summer schedule will appear in May QST. The ARRL Intruder Watch has completed another full year of operations with more intruders having been removed from the amateur bands as a result. However, much additional work and constant vigilance are necessary. The Intruder Watch welcomes additional volunteers with two or theree years amateur experience and good receiving equipment who can spend at least two hours a week logging the calls of non-amateur stations in the amateur bands. RTTY operators, especially those with acces to sophisticated gear, are still urgently needed. Volunteers please write Intruder Watch, ARRL, Newington, Conn. 06111.

With the coming of the travel season, amateurs will be taking advantage of reciprocal operating agreements. Amateurs traveling across the Canadian/US border should apply for an operating permit 30 to 40 days in advance, W/K licensees apply to the Department of Transport in ottawa or its six reginal offices, Travelers visiting else where should allow at least two months for processing of requests. Write to ARRL Hq for details on a particular country.

Work Bob Decker, K8QYV on 3875 at 8 am on Wednesdays. WOKVE and WOMOH visiced

Jondon, Paris, and Rome. Service; Conduct contributing to the advantage of another.

1400



TRI STATE AMATEUR RADIO SOCIETY, Inc.

Published monthly by the Tri State Amateur Radio Society, Inc., as its official organ.

MAY 1967 AMATEUR RADIO WOOG

Affiliated with the American Radio Relay Clifford McGuyer W9DGA Editor 476 7483 league and the Indiana Radio Club Council Herb Muth W9NZC Advertising Mgr 423 0373.

OFFICERS	DIRECTORS		avalentates in experimental in
Les LaVenchy, President, W9LXA	Hank Galbraith, WORDJ	67 - 68	
RR#1, Wadesville, Indiana. 985 3530	1214 South Alvord Blvd	476	7601
	Earl Greene, K9PNJ	67 - 68	
Harold McClellan, Vice President, W9WNM 781 Cardinal Drive. 423 5184	4700 Detroy Road	963	5015
701 Cardinal Drive. 42) 7104	Sam Arthur, WA9JZX	67 - 68	
	857 East Parkland Avenue	424	5141
Clifford C McGuyer, Secretary, W9DGA		Y	
2900 East Oak Street. 476 7483	Ralph Greene K9JQY	67 476	
	2021 East Franklin Street	476	68;6
Jack Young, Treasurer, K9LAU			
1715 Madison Avenue. 476 8127	Paul Wurtz, K9JSK	67 423	
	3404 Stratfrord Road	423	8786
TARS Regular Monthly meetings held at the	The state of the s		
Lighthouse 2nd Avenue and Virginia Street	Charles Robertson, W9MKZ	67	
last Thursday of Each Month. 730 pm.	502 South Lincoln Park Drive	476	8378

Return Requested.
Tri State Amateur Radio Society, Inc.
2900 East Oak Street
Evansville, Indiana. 47714.



FIELD 24-25 JUNE 24-25

Clifford McGuyer 2900 E. Oak St. Evansville, Indiana L9DGA

Officers present: Wolka Pres; Wodga Secty; Kolau Treas; Directors Word, Koppaj, WA9JZX, K9JQY and W9MKZ. Meeting called to order by Pres W9LXA at 745 pm. Minutes of past meetings and Treasurers report approved as printed in Sparks. A total of 26

members and visitors were present.

Hamfest Chm WA9HGA gave report on Hamfest indicating things are moving along OK. W9RDJ reported about 1500 Hamfest advertising flyers would be ready shortly for the mail. Emergency Coordinator K9QWV reported on the coming Field Day. He reported no: all plans completed. Don also announced communications will be furnished for the Armed Forces Day Parade May 19 and for the Boy Scouts May 20 and 21 at the 4H Center.

Director WoMKZ announced a "TARS Transmitter Hunt" would be conducted Sunday April 30, 1967. All participants are to meet at 2 pm on Reitz Hill for a mileage check. The frequency will be "TARS Emergency Frequency 29.6 mc." All are invited.

K9STX displayed a complete Heathkit 29.6 mc Transceiver and announced the program for May would be a discussion and demonstration of this unit. Program Chm K9STX introduced the speaker of the evening. Mr Hank Galbraith W9RDJ who gave a very interesting lecture on "Teletype." The program was well received by all. Coffee and donuts were served. Meeting adjourned at 940 pm. -- W9DGA, Secty TARS-

"MINUTES, TARS May Officers and Board of Directors Meeting"

Officers present: W9IXA Pres; W9DGA Secty; and all Directors including WA9JZX K9PNJ, W9MKZ, K9JQY, W9RDJ and K9JSK. Also in attendance was Sparks Ad Mgr W9NZC. EC K9QWV and Prog 6hm K9STX. Meeting called to order by President W9LXA at 735 pm, Minutes of previous meetings and Treasurers report were read and approved. The bank balance was \$962.09. The Secty read correspondence from the Henderson Club stating they are having their Hanfest Sunday July 30 at the Audubon Raceway. Also read was a letter of resignation as Director of TARS from Earl Green, K9PNJ. Earl will be leaving town within the next few days and will become a W6. The resignation of Ear? was accepted with much regret. The Pres announced that the next meeting May 25, an election will be held to fill the unexpired terms (remaining of 67 and all of 68) of Director K9PNJ to bring the Board of Directors back to full strength.

K9STX reported on the Armed Forces Day Parade to be held Friday May 19. All are to meet at Main and Riverside at 630 pm. Ralph also announced that additional help would be needed at the Boy Scout function at the 4 H rural center from noon until (Cont'd next page)

5 pm Sunday May 20, 1967. \$29.95 Globe "Chief" Transmitter 49.95 Globe "Scout" Transmitter Globe "Scout" Deluxe, New Price \$159.95 SPECIAL 89.95 National NC-109 Receiver
Halicrafters Solid State C B Transceiver
National NC-270 Reciver
P & H Linear
GESCO SWR Reflectometer
Editors's & Engineers Handbook
Bico 50 watt Modulator
F Tube Characteristic Book
emi Conductor Diode Source Book
RRL "Gateway to Amateur Book
eciver Head phonogystal 1 59.50 Eico 720 Transmitter 37.50 19.50 49.50 39.95 15.00 7.50 99.00 69.50 199.50 149.50 29.95 12.95 44.95 1.50 2.50 2.00 2.43 1220 Crystal lapel Microphone

MINUTES, Cont'd. The prog Chm K9STX announced the program for the May meeting would be the "29.6 Mc Transceiters." A discussion and demonstration will be presented. WA9CDP will explain and demonstrate a simple vertical antenna to go with the 29.6 Mc rigs. Director WA9JZX announced the Air Force Mars group would have a six meter

transmitter at the Hamfest July 16.

Authorized Distributor.

Director W9MKZ reported on the TARS "Transmitter Hunt." Robby stated they were hampered by a little rain, but that a good time was had by all. The winner was K9TQC. Director K9JQY announced plans for the coming Field Day. An outline of operators schedules was presented. K9QWV advised breakfast will be served for those members staying all night. The president announced the regular June meeting will be moved up one week to Thursday June 22, 1967, so as to fall prior to Field Day. The program will be a "Field Day Rally." Films of past Field Day will be shown and discussion and final Field Day plans will be made.

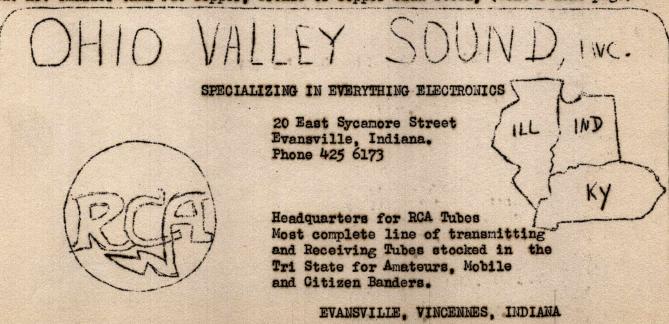
The pres announced the annual "Founders Day Banquet" honoring all TARS past presidents would be held the month of November. A chairman will be appointed at a later date. The president appointed W9DGA as TARS Historian replacing W9OG.

Director W9RDJ advised W9YZO had sent letters to 40 amateur radio businesses requesting items to be used for prize material at the coming Hamfest. Hank also displayed the address gummed labels that will be used for the "Hamfest Flyer" to be mailed prior to Hamfest. W9DGA announced that Howard Campbell W9JFJ will be unable to serve as an auctioneer for the Hamfest. Humpy will be out of town on vacation during this period. Meeting adjourned at 836 pm. —W9DGA Secty TARS —

#### "THE PRESIDENT'S CORNER" By WOLXA

Hi there fellosw!!! Here we are getting into the months that we have the lightning and thunderstorms. That kind of noise doesn't sound to good around the radio shack. One thing I dislike is the lightning, popping, making a noise, trying to get into the shack. We are trying to get all the equipment grounded here. How about your shack? A new ground rod about 8 to 10 feet in the ground will do the trick, right at the tower. It might be a good idea to see if the guy wires are in good condition for grounding purpose also. A wire of suitable length will pick up the discharge of the lightning. Have you ever tried to hold a long wire antenna when it is lightning close by? You can feel it AND HOW!! Especially on 160 meters.

The national electrical code (new handbook 1967)(ARRL) states the Protective size ground conductor for transmitting stations whould be as large as the lead-in but not smaller than #10 copper, bronze or copper clad steel, (Coat'd next page)



OWENSBORO, KENTUCKY.

PRESIDENT, Cont'd. and prefer not the soft drawn material. (Doce No 810-59). The main thing to do is keep all ground wires outside of the shack if possible. Here at this shack we don't prefer to ground to the water line in the house, radio equipment that is. If the lightning does strike ordischarge, it will keep the noise outside. If lightning arresters are used, any other means of ground for your antenna is only as good as the workmanship you put in it. We know it is not 100% proof. In many instances you can save some of your equipment. -- WOLXA Pres TARS-

"TARS TREASURERS REPORT" By K9LAU Treasurer.

Cash Balance - beginning of year Receipts to May 16

\$1,051.32 308.90

Disbursements to May 16

CASH BALANCE

\$1.360.22 398.13 962.09

Tri State Amateur Radio Society, Inc. Dear Friends:

May 14, 1967

Due to leaving town in the next few days, I am asking to be relieved of my duties

as Director of the Tri State Amateur Radio Society.

Each and every year for the past eleven years, I have been associated with the Club in some capacity, from President on down and I must tell you, It has been a pleasure to work with you fellows.

I have seen the Club hit a peak and also a low and now on the way back again, thanks to the work of many of you. I sincerely hope you continue to stay organized

and progress forward, because Amateur Radio as a hobby depends on this.

Once again thanks to my many friends and I'll be listening for your signals

from six land.

Earl J. Green, K9PNJ.

#### "FIELD DAY" Schedule Information, By K9JQY.

1. Use GMT time. Operations periods are one hour each except from 12:00 PM to 9:00AM or 0500-1400GMT. RDJ\_DAG, NZC\_QMV, and PAR\_TQG are asked to work as teams in the order given on the schedule. 2. If you are unable to meet your schedule as arranged trade with another operator. Make these arrangements on your own. #. A final operating schedule will be posted in the area (Cont'd next page)

#888 EICO SOLID STATE ENGINE ANALIZER KIT \$44.95 #711 EICO SPACE RANGER SHORT WAVE KIT \$49.95 STEREO RECORD CHANGER WITH LEADS \$19.95 MERCURY # 1100A TUBE TESTER \$9.95 MIDLAND AIRCRAST CONVERTER EICOCRAFT KITS \$2.50 UP WESCO RADIO PARTS 428 PENN. ST. EVANSVILLE, IND. PHONE 422 2141

FIELD DAY, Cont'd. before operation begins. Keep the operations schedule given in sparks. Call Ralph, K9JQY, 476 6836 of any change in your schedule. 4. Use A-l or A-3 as you frefer. If you want someone to operate with you select him from the scheduled operators or any other club member. 5. It is necessary to ask a few fellows to operate more than one period. Any scheduled operator is asked to help a fellow operator on request. 6. Any club member, whose name is not on the schedule is asked to make himself available to pinch hit or to fill in a vacancy if needed. 7. Equipment for Field Day operations is furnished by C D, W9UMS and K9STX. The Club appreciates this service. 2100 GMT is 4 PM CDST.
2100 GMT W9RDJ; 2200 W9DGA; 2300 K9STX; 0000 W9MKZ; 0100 WA9BYZ & WA9TER; 0200 WA9TER; 0300 K9LAU: 0400 K9PAR; 0500 W9RDJ; 0600 W9DGA; 0700 W9NZC; 0800 K9GWV; 0900 K9PAR: 1000 K9TQG; 1100 W9RDJ; 1200 W9DGA; 1300 W9NZC; 1400 K9QWV; 1500 W9AZU; 1600 W9OU; 1700 W9NZC; 1800 W9WUH; 1900 K9JQY; 2000 WA9RMO. Remember these times are GMT.

#### "A SIMPLE COAXIAL ANTENNA FOR 29.6 MHz" By WA9CDP.

Remove the outer black jacket from a ten foot length of RG-8 Coax which has a total lenth of 20 feet or so. The braid thus uncovered can be turned wrongside out back over the jacket of the remaining length to act as the skirt of a coaxial antenna. This operation is quite tedious, but it can be done. The antenna can then be hung vertically in a tree, etc. Both the single conductor and the braid should be trimed to about eight feet. Feed with RG-58. —WA9CDF

GOOD BYE EARL. We are indeed sorry TARS will loose a loyal and faithful member of long standing!! However, we are happy the Earl Green's, K9PNJ will be able to enjoy living in the colorful state of California. We wish Earl & Dot the very best of everything and are already looking forward to their first visit back to E'town. All the fellows will be looking for you from "six" land. Keep us posted. —W9DGA—

"AN INCH OF TIME CANNOT BE BOUGHT WITH AN INCH OF GOLD"

# EVANSVILLE AMATEUR RADIO SUPPLY

is moving to a bigger and better home. A total of 2100 Square Feet of Room.

Look for us at the New Location at 1629 Scuth Kentucky Auc.

Across from the Roca Bar. Effective June 1, 1967. SHOP AND SAVE IN EVERYWAY.

William Ogg. Owner. WA9RMO.

The regular May meeting of the Tri State Amateur Radio Society will be held at the "Lighthouse" Second Avenue and Virginia Street starting promptly at 730 pm. The business will be held to a minimum so full time can be devoted to an outstanding program. The date is May 25, the last Thursday of May. The program will be "Low power AM Gear for 29.6 Mc." by K9STX, WA9CDP and K9PNJ. Make your plans to attend this meeting and elect a Director to fill the unexpired term of K9PNJ. The June Meeting is being held one week earlier due to Field Day. The date is Thursday, June 22 and the program will be a "Field Day Rally."

The following is a partial list of items formerly belonging to W90G that is now for sale. Cantenna 50 ohm load \$5; PMR6 Elmac receiver and Cheyenne Xmtr with AC power supply \$60; Hammarlund HX-500 Xmtr \$200; Hammarlund HQ-180 Rcvr \$250; Heathkitt Signal Tracer #1T12 \$12; Heath VTVM V-7 \$15; Heath Grid Dipper \$15; Heath probe 309-C \$3; Ameco Code practice osc \$5; Heath VOM MM-1 \$22.50; Hallicrafter Pan-Adapter \$25; Stancor 203A Xmtr. Many more items. Phone 476 7483 W9DGA.—

A study is under way to determine to what extent, if any, normal propagation conditions were disrupted by the artificial ionosphere cloud fired by rocket from Wallops Island Virginia the evening of March 30. Amateurs having knowledge of disruption of normal conditions that evening, on any frequency, are requested to forward complete details to ARRL, 225 Main Street, Newington, Connecticut. 06111.

"REPRINTED FROM MARCH 1941" WOYFL Editor of the Evsl Radio Club"

W9EHU joined the FTS, Ben needs 2 more states for WAS. W9UMS may change his QRA. W9GZB doesn't get much time to operate but sure gives twenty fone a work out when time permits. Marty loaned his 35TH to W9BVS...W9QLW rebuilt his osc circuit and is giving the RME69 a going over, may go to 80 CW...W9DGA still needs Delawar for his WAS...W9RZM has rebuilt his buffer stage and will spend most of his time on 40 meters...W9EBN says any of you young squirts that would like to see what a DX card looks like just stop at W9RZM's shack and take a peek...W4BVK came back to W9DGA and W9QLW at the same time on forty meters the other night. Neither Mac or Carty knew the other was even on. Result a nice 3 way Q S O. W4BVK is Pres of the Valdosta Ga radio club....W9YFL gave ham exam to Willard Riney and two or three others wanting to take the exam also. Looks like the ham population is growing... CASTRUPS and WESCO were advertisers in this issue. A biography of W9WNM was given.

The Henderson Club will hold their Hamfest, Sunday July 30 at the Audubon Raceway.

#### "ALL AMATEUR TRANSMISSIONS MUST BE LOGGED"

FCC, some months back, shut down the popular - - 2 meter FM repeater. FCC found it had failed to include ID and logging facilities. After it was back on with the proper equeipment for automatic ID ing and taping incoming signals. (more trouble) "The FCC inspector observed one amateur, on his car rig, who used the repeater to call another amateur. Completing the call, he hung his mike up and continued to drive on. The inspector (Williams by name) asked, "Where is your log?" The Opr sheepishly repleied that he "did not log that frequency." Whereupon two hundred 2-meter operators in the Houston area received 365 day log requests from the FCC. Reports have it that FCC received and verified about eight logs. But some attempted to fabricate and most wrote that they simply did not log QSO's through the repeater. Whereupon all received violations and "to show cause why their license should not be revoked". Moral: All amateur transmissions must be logged. If from a mobile they must be logged, only time on and off the air, in addition to stations worked, but they must be logged.

CHU TIME SIGNAIS, are continuous on 3330, 7335 and 14670 kc. The carrier and signal pips are from an oscillator monitored against a caesium standard. SOIDERING TIP. Wrap rubber band around handles of pliers, makes low tension vice for soldering.



TRI STATE AMATEUR RADIO SOCIETY, INC.

Published monthly by the Tri State Amateur Radio Society, Inc., as its official organ.

JUNE 1967 AMATEUR RADIO W90G

Affiliated with the American Radio Relay Clifford McGuyer W9DGA Editor 476 7483 League and the Indiana Radio Club Council.
Herb Muth W9NZC Advertising Mgr 423 0373.

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Les LaVanchy, President, W9LXA RR#1, Wadesville, Indiana. 985 3530	Hank Galbraith, W9RDJ 1274 South Alvord Blvd	67 - 68 476 7601
	Kenneth Small WA9HGA	67 - 68
Harold McClellan, Vice President, W9WNM 781 Cardinal Drive 423 5184	804 Hercules Avenue	476 5777
	Sam Arthur, WA9JZX	67 - 68
	857 East Parkland Avenue	424 5141
Clifford C McGuyer, Secretary, W9DGA		
2900 East Oak Street. 476 7483	Ralph Greene K9JQY	67
	2021 East Franklin Street	476 6836
Jack Young, Treasurer, K9LAU		
1715 Madison Avenue. 476 8127	Paul Wurtz, K9JSK	67 423 8786
	3404 Stratford Road	423 8736
TARS Regular Monthly meetings held at the		
Lighthouse 2nd Avenue and Virginia Street	Charles Robertson, W9MKZ	67
last Thursday of Each Month. 730 PM.	502 South Lincoln Park Drive	476 8378

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Tri State Amateur Radio Society, Inc.
29C0 East Oak Street
Evansville, Indiana, 47714.

"FIELD DAY RALLY" meeting June 22.

"FIELD DAY" June 24 and 25.

Clifford McGuyer 2900 E. Oak St. Evansville, Indiana EVANSVILLE VIIIDA 4 c U.S. POSTAGE

L9DGA

Meeting called to order by Pres WOLXA at 7:45pm. Minutes of past meetings approved as printed in Sparks. Correspondence read and approved. Nominations were opened for Director to fill out the unexpired term of Earl Green, K9PNJ for the rest of 1967 and all of 1968. Ken Small and Al Arendt were nominated. Ken Small WAOHGA was elected to replace K9PNJ.

Visitors included Ed McGinnis, Gary Evans, W9SJY and Jim Rideout W9PlN. Don Weber gave Field Day report showing all plans formulated. Fill in reports for Field Day were given by Ralph Waldo and Ralph Greene. The transmitter will be a Viking I

and the Antenna a windom.

Ralph Waldo thanks all TARS members for their help at the Armed Forces Day parade and the Scout Jambore held at the Rural 4 H Center. Meeting adjourned at 8:05pm for the program. The program was "Low Power AM Gear for 29.6 Mc" by K9STX, WA9CDP and K9PNJ. The program was well received by all. -Acting Secty, W9RDJ ...

"MINUTES, TARS June Officers and Board of Directors meeting, June 13, 1967"

Officers present: WolkA Pres; WoWNM VP; WoDGA Secty; and Directors WoRDJ, WAOJZX KOJQY, KOJSK, WOMKZ and WAOHGA. Also in attendance was Sparks Advertising Mgr and 9 additional members of the " Hamfest " Committee. Pres W9LXA called meeting to order at 7:30 pm. Minutes of past meetings approved as printed in Sparks. Treasurers

report approved as submitted showing a balance of \$946.96.

Secty W9DGA read correspondence from CD thanking TARS for membership participation in the Armed Forces Day Parade and the Scout-O-Rama. At Field Day, Saturday evening at 6 pm, June 24 a "Basket Dinner" will be held for TARS members and their Families. Bring your food and TARS will supply the soft drinks. As their is a new lake at the Field Day site, it was discussed and agreed this lake would be "off limits" for all personnel. "No swimming and/or fishing will be allowed."

Pres WolkA announced the officers and Board of Directors meeting will be moved up a week to Tuesday July 11, so as to fall prior to the Hamfest July 16, Meeting adjourned at 8 pm and all addressed 1,500 "Hamfest Flyers." -W9DGA Secty TARS-

#### "THE PRESIDENT'S CORNER" By WOIXA

Hi there fellows! It won't be long and Field Day will be here. day we have been looking for. It is the "Big Activity" of the year. (Cont'd)

	BIGGER AN 1629 S. Kentu	ved to a D BETTER QTH cky (Near Riverside) ES GALORE!	4
Hallicrafters HT-37 Drake TR-3 Swan 350 Swan 400 Swan 120 Heath HW-12 Heath HW-32 Heath HW - 32A Hallicrafters SR500 Hallicrafters HT-46 Hallicrafters SX-101A Heath HA-14	225 369 325 295 295 99 85 95 275 275 179 95 COME OUT AND 73°8	Clegg 22-er DX-60 B & W 5100 National NC-125 Laffayette HA-350 Rcvr NEW Eico 753 Johnson Thunderbolt Linear Gonset GSB - 201	85 130 89 175 75 79 75 99 169 289 239

PRESIDENT, Cont'd. Field Day will be in the same location as it has been in the past couple of years, at the Robinson Conservation Club in Posey County. They have enlarged their facilities so things should be a little more convient. We are hoping to get started at 9am on Saturday morning. There is lots to do, putting up antennas, getting the rig, moving tables and chairs, having the equipment in the right place so the sun won't shine to hard on the operating table, and of course everyone putting their two bits on how things should be. It is going to be a BIG DAY.

Don't forget the pitch in supper on Saturday evening. Those baskets and boxes have lots of good food in them, when they arrive at the tables. The wives we have can fix some good dishes, you know. In the evening the fellows stick around and have a "gab fest" and drink coffee. A few of the fellows camp out. Some bring their tents and sleep where they can. And other fellows just find a place to sleep. Have you ever seen Herb NZC sleeping in his car with his feet out the windows and Mac DGA sleeping on the roof? You fellows who miss the Field Day, really miss a "BIG DAY."

#### "TARS TREASURERS REPORT" By K9LAU Treasurer.

Cash Balance - beginning of year Receipts to June 13 \$1,051.32 320.90

Disbursements to June 13

CASH BALANCE

\$1,372.22 425.26 \$ 946.96

#### "TARS JUNE MEETING"

The regular June meeting of TARS will be held at the "Lighthouse" Second Avenue and Virginia Street starting promptly at 730 PM. The business will be held to a minimum so full time can be devoted to a program "FIEID DAY RALLY" to be put on by the "Field Day Committee." This meeting is being held one week early so as to fall before Field Day. Don't forget "HAMFEST" Sunday July 16 at the Rural Center.

NOTICE. All remaining radio equipment of Ray Miller W90G will be auctioned at the Hamfest July 16, 1967 at the 4H Rural Center. There is still some good items left.

Two amateur stations will be operated at the World Scout Jamboree in Farragut State Park, Idaho, August 1 to 9 1967. The call K7WSJ will be used for general contacts and K7BS for traffic. Full details appear on page 10 of the July issue of QST.

	ath Two'er Transceiver	\$32.50
		CHEST CONTRACTOR OF THE PARTY O
HO	ath Ten'er Transceiver	32.50
	king I Transmitter	99.50
	& W Transmitter	199.50
	hnson Matchbox	65,00
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	obe Scout Transmitter	49.50
	ath Q - Multiplier	5.95
Pe	rmalume "Silicone 10 Year" Paint New All-Weather coating. Qt.	4.15
— m-	ansistor "Techni-kit" - for Beginners, makes 18 projects	11.95
	co-Craft C W Oscillator Kit	2.50
	Ilicrafters SX_99	75.00
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Jo	phnson Messenger "Walkie-Talkie" Best buy of all. Spec. for pair	55.00
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ILL

FCC has added another nine questions to its study material for the Novice license. The questions with answers prepared by the ARRL headquarters staff will appear in future copies of the License Manual and in the July issue of QST. In addition, preprints are available and will be sent by ARRL upon receipt of a SASE.

The Indiana Radio Club Council will hold its Hamfest and Family Picnic, Sunday July 9, 1967 at the Brown County State Park, Sunday July 9, 1967. Door Prizes, Contest Awards, fun for the entire family. Ample parking and picnic areas.

ARRL has simplified their rules for the "RAG CHEWER'S CLUB" Award. Henceforth a certificate will be issued on the applicant's affirmation detailing the required half-hour or longer QSO, without requiring confirmation from the station worked. TARS June Meeting, June 22. Field Day, June 24 and 25. Hamfest, July 16, 1967.

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# HAMFEST

JULY 16, 1967

9A.M. TIL?

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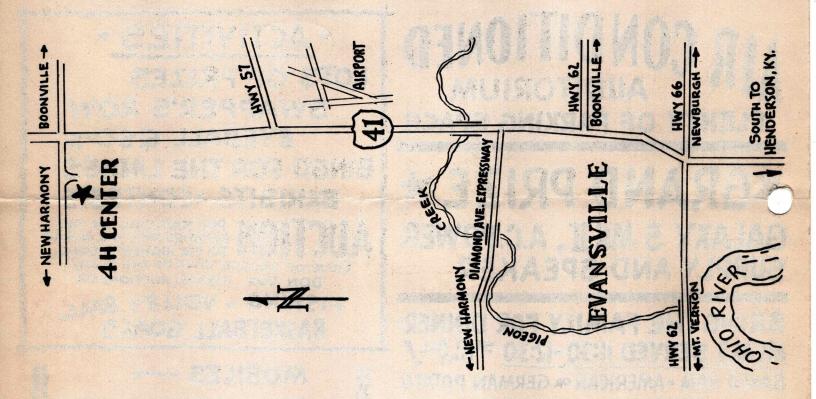
Remittance Enclosed \$.....



## Tri-State Amateur Radio Society

P.O. BOX 492

EVANSVILLE, INDIANA





Clifford C McGuyer W9DGA Editor 476 7483

#### OFFICERS

Les LaVanchy, President, W9LXA RR#1, Wadesville, Indiana. 985 3530

Harold McClellan, Vice President, W9WNM 781 Cardinal Drive. 423 5184

Clifford C McGuyer, Secretary, W9DGA 2900 East Oak Street. 476 7483

Jack Young, Treasurer, K9LAU 1715 Madison Avenue. 476 8127

TARS Regular Monthly meetings held at the Lighthouse 2nd Avenue and Virginia Street last Thursday of Each month. 7:30 PM.

TRI STATE ANATEUR RADIO SOCIETY, INC.

Published monthly by the Tri State Amateur Radio Society, Inc., as its offical organ.

JULY 1967 AMATEUR RADIO W90G Affiliated with the American Radio Relay League and the Indiana Radio Club Council Herb Muth W9NZX Advertising Mgr. 423 037

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TARS
MEETING JULY 27
MEETING JULY 27
MURSDAYTHURSDAY-

Clifford McGuyer 2900 E. Oak St. Evansville, Indiana

### "MINUTES, TARS, Regular June Meeting. June 22, 1967"

Officers present: Wolka Pres; Wolka Secty; Kolau Treas; and directors Word, Kolau and Waohga. Pres Wolka called meeting to order at 730 pm. A total of 20 person was in attendance. All present placed stamps on 1,500 "Hamfest Flyers."

A TVI Complaint was received from the FCC via K9JOB the former TVI Committee Chairman. The letter was turned over to K9JQY and W9NZC for further action. The amateur complained of was Paul C Duncan WN9SFP, 901 Tulip Avenue.

Minutes of previous meetings and Treasurers report approved as printed in Sparks Field Day Chairman, K9QTV reported on Field Day. K9JQY outlined the operators schedule. He stated the schedule would be subject to change. The pres remined all present that the Board of Directors had agreed that the new lake at the Field Day Site would be "off limits" to all personnel. Parents should advise their children to stay away from the lake.

Hamfest Chairman WA9HGA reported Hamfest arrangements are in good shape. Pres W9IXA introduced two new members, Jim E Rideout, WA9PIN, 404 Christ Road and Bob Kock WA9PUC, 6250 Lakeland Drive.

Films of past Field Days were shown and "Coffee and Domuts" served. Meeting adjourned at 930 pm. — W9DGA Secretary TARS —

"MINUTES, TARS July Officers and Board of Directors Meeting. July 11, 1967."

Officers present: Fres Wolka; Wown Vice Pres; Wolka Secty; Kolau Treas; and Directors Waohga, Waojzk, Kojgy, Kojsk, Womkz, and Word. Pres Wolka called meeting to order at 745 pm. Wonzc, Sparks ad Mgr was present. Minutes of previous meetings approved as printed in Sparks. The Treasurers report was approved as submitted, showing a balance of \$828.61. The president announced the Secretary W olga will be late this meeting. Director Word read letter sent to donors of the Hamfest. Permission was granted to the Henderson Radio Club to sell tickets and plug their Hamfest at our Hamfest. A complete report was submitted by the General Hamfest Chairman, Kenneth Small Waohga. The report presented indicated that everything was in readiness for the coming Hamfest. An advanced ticket registration has reached 80 at the present time. The Treasurer Kolau discussed our (contid mext page)

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liability insurance program. The board approved a request to the insurance company to issue a broader policy at this time to cover our Hamfest. More on this at the next meeting. Vice Pres W9WNM discussed an interference problem of Paul Duncan. Ralph Harder was brought into the picture by this individual and W9WNM wanted some advice. The president W9LXA received a letter from Mr Harder and advised W9WNM to pursue the matter and to see if it was possible to assist the Amateur Radio Operator. Meeting adjourned at 9 pm. -- W9RDJ Acting Secretary TARS --

#### "TARS TREASURERS REPORT" By KOLAU Treasurer.

Cash Balance - beginning of year Receipts to July 11

\$1.051.32 326.90

Disbursements to July 11

549.61 CASH BALANCE

1,378,22

#### "THE PRESIDENT'S CORNER" By WOLXA

Hi fellows. I wonder if you go through the same ordeal I do in building a kit! Well, this station ordered a kit from the Heath Company and in due time it was well received. It came around dinner time and everyone wanted to know when I was going to open it up. After cleaning the table and unwrapping the box, I started laying the parts on the table, with the kids and XYL all eyes and lots of questions. What is that for? What is this for? You give them some sort of an answer, cause you don't

know yourself!

After unpacking all the parts you wonder if it is all there, and if it is going in the chassis you have for it. The last thing you find in the bottom of the box is the assemble manual. That, I thinks should be on top! You look it all over and check everything best you can. You begin to wonder when you can get started and how long it will take to get on the air. After reading the manual and checking the circuit, we set up a table in the corner of the living room and start putting the kit together. We are still working in our spare time, and as we go we find out that the parts do fit in place. I believe it takes about fifteen hours to put this kit together. I know it takes some of the sleeping hours. Everything takes time, I know it does at this station. Maybe by the last of the month I will be mobile with the GW 12.

73. W9IXA, President, TARS.

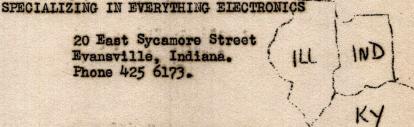
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"TARS JULY MEETING"

The regular July meeting of TARS will be held at the "Lighthouse" Second Avenue and Virginia Street starting promptly at 730 pm. The business will be held to a minimum so full time can be devoted to a program by Faul Wurtz, K9JSK on "Solid State Equipment" The date is Thursday, July 27, 1967. See you all there.

The Hamfest this year was one of the best "engineered" of any of our past 19 picnics and Hamfests. This was no doubt due to the guidance and leadership of the General Chairman, WA9HGA. Of course he had help, and lots of it, but still anyway you look at it, he was the "guiding light." Ken and "all" of his sub-committies and club members are to be congratulated on this Hamfest. After rechecking, this was our 20th Hamfest or before the term Hamfest, Picnic. So the next will be our number 21. The address of Earl Green is 5224 3/4 No. Hayter Ave, Lakewood Calf. 90712

nIT.	TE HAMFEST	SPECIALS"	
Drake TR-4 with AC-4 & MS-4 Free	\$599.95	Galaxy V Mk II AC-35 Free	\$420.00
Swan 500 with 117XC P/S Free	495.00	Drake T4-X, R4-A, AC-4,	
Swan 350 with 117 XOP/S free	420.00	MS-4, D-104	799.95
DE Ham-M Rotator with control	95.00	Drake TR.3 One owner	369.00
Swan 140	119.00	Swan 350	295.00
Swan 400	280.00	Heath HW 32A	90.00
Heath HW 12	89.00	Swan 175	129.00
Eico 753 with/New A C Power Sup	169.95	Clegg 22'r (2 meters)	175.00
National NCS 3 W/AC Power supply	229.00	Layfaette HA350 Demo N/War	99.00
Hammarlund HQ-100 very clean	89.00	Hallicrafters S-120	39.00
Mosley CM-1	75.00	Hallicrafters SX 101A	179.00
Hallicrafters SX 71	85.00	Hallicrafters SX 99	75.00
National NC 60	39.00	National NC 109	69.00
National NC 125 Like new	79.00	Hammarlund HQ 129X	69.00
Gonset Super 12 New	29.95	Hallicrafters HT_46 Xtra cle	an279.00
Hallicrafters HT-37 Xta Clean	219.00	Eico 723 Demo-New	49.00
	65.00	Johnson Viking II	69.00
Eico 720 6 month old	79.00	Heath DX60 Rike new	59.95
B&W 5100	29.00	Heath AT 1	25.00
Knight T50	ILLE AMATEU		
	S. Kentuck		

Wm Ogg Prop. WA9RMO



Clifford McGuyer, W9DGA Editor Herb Muth, W9NZC Advertising Mgr.

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Harold McClellan, Vice President, W9WNM 781 Gardinal Drive 423 5184

Clifford McGuyer, Secretary, W9DGA 2900 East Oak Street 4767483

Jack Young, Treasurer, K9LAU 1715 Madison Avenue 476 8127

TARS Regular Monthly meetings held at The Lighthouse, 2nd Ave. and Virginia St. Last Thursday of Each Month. 7:30 P.M.

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TRI STATE ALATEUR RADIO SOCIETY, I.C.

Published monthly by the Tri State Ameteur Radio Society, Inc., as its official organ.

### AUGUST 1967 AMETEUR RADIO ... OUG

Affiliated with the American Radio Holay League and the Indiana Radio Club Good

DIRECTORS

DIRECTORD	
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1214 South Alvord Blvd.	476 7601
Kenneth Small, WA9HGA	67 <b>-</b> 68
804 Hercules Avenue	476 5777
Sam Arthur, WA9JZX	67 - 68
857 E. Parkland Avenue	424 5141
Relph Greene, K9J Y	67
2021 E. Franklin Street	476 6836
Paul Wurtz, K9JSK	67
3404 Stratford Road	423 8786
Charles Robertson, W9MKZ	<b>67</b>
502 S. Lincoln Park Drive	476 8378



Clifford McGuyer 2900 E. Oak St. Evansville, Indiana

Officers present: Les LaVanchy, WoLXA President; Jack Young, KOLAU Treasurer; Kenneth Small, WA9HGA Director; Charles Robertson, W9MKZ Director; Paul Wurtz, K9JSK Director and Ralph Greene, K9JQY Director.

Meeting was called to order by President W9LXA at 745 pm. K9LAU, Treasurer

passed out the "Hamfest Financial Report" showing a profit of \$5.75.

WA9HGA was complimented on his excellent work on the Hamfest. His response

was that he had good help by his committee and the general membership.

A vote of thanks was given to Ray Alderson for his help on the hamfest principal Paul Wurtz, K9JSK presented an excellent program on transistors and diode circuits that was well received by all.

Refreshments of coffee and doughnuts were served after the program. Meeting - K9JQY. Acting Secretary adjourned at 805 pm.

"MINUTES, TARS AUGUST Officers and Board of Directors Meeting, August 22, 1967."

Officers present: Les LaVanchy, WoLXA President; Clifford McGuyer, WoDGA Secretary; Jack Young, K9LAU Treasurer; Sam Arthur WA9JZX Director; Ralph Greene, K9JQY Director and Kenneth Small, WA9HGA Director.

Also in attendance was Program Chairman KOSTX and KOPAR. President WOLXA called meeting to order at 740 p.m. Minutes of past meetings approved. Treasurers' report approved as submitted. K9LAU made final report on the Hamfest. K9LAU also submitted report on the insurance of the club.

A discussion was held relative to the "Past Presidents! Dinner." It was agreed

to continue this event as in the past.

The president announced that K9JSK and WA9ADU will be Co-Chairmen of the "Past

Presidents Dinner." As in the Past, TARS will award a plaque to the high club entry in the ARRL November sweepstakes, one for phone and one for CW. The president will be the judge in this contest.

The president and K9STX will plan some type of "on the air" contest to be

announced later.

The president announced the appointment of WA9HGA, K9PAR and WA9BPP to be the nominating committee for Officers and Board of Directors for the year of 1968. election will be held in October. Meeting adjourned 9 pm. W9DGA, Secretary

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#### "THE PRESIDENT'S CORNER" By WOLKA"

Hi there Fellows: I wonder if some of you fellows have mounted a rig in the car lately. It sure is a job. After using the rig as a base station, then trying

it our in the car is quite a thrill.

Mounting the rig in the car is supposed to be an easy job-according to the mamual-it does give you a few ideas. You get the rig to the car and try to find the most convenient place for it so it won't be in anyone's way. The positions you have to get into and using your two hands to hold the rig-Boy! Now, you finally have the rig located where you think is the best. You get in and out the car a couple of times. Have you ever noticed when you get in a good position and you are holding everything just like you want it-you forgot something... screwdriver or wrench-never fails!!

Did you ever notice all those wires under the dash? It is so dark under there and you are trying to find a way for the 12 volt lead to run. Some of the new cars are worse than others. Well we finally got the rig mounted and a nice place for the mike on the dash. Everything looks good-and you're really proud of yourself. Such a good job! But, you are still not on the air. Forgot to get the bumper mount for the antenna. Back to town, down to your favorite store and look around to see what he has in stock. You pick out the one you want and get back home and start working again. You get the antenna and coxial in place. All set-ready to go-give a CQ a couple of times. No comback. You try one more time-no one hears you. Well, there's still one way-GET ON THE LAND LINE -- and give my old pal KOPAR a call to see if he can hear me. He does!! Boy, that land line sure is a life saver-HUH!! (UGH!)

#### "TARS AUGUST MEETING"

Cur speaker for this month's meeting will be Mr. Fay Gehres, W9AIN. His subject will be a discussion of the proper way to ground radio equipment. This is a subject which should be of interest to everyone and the safety aspects of the matter should make it all the more necessary to get out to the August meeting. K9JSK and WA9ADU will be in charge of the arrangements for the "Annual Past Presidents' Dinner." This will be held during the month of November, date to be announced later. The September meeting will be "Antennas" by Woody Pemberton, WA9CDP. Come early and stay late for this fine program. The date for the August Meeting is August 31, Thursday, 730 pm sharp, at the Lighthouse, 2nd Ave & Va St.

Meeting is august ji, intributy, for	TO SOUTH	PRINTER ATTENTED TO ANSVITTE	TND
EVANSVILLE AMATEUR RADIO SUPPLY,	1629 SOUTH	KENTOCKI AVENOD, DVANOVILLE,	man Man
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Globe Chief WRL CW Xntr	89.95	Drake TR-3 One Owner	325.00
Globe offici with our wilder	69.95	Swan 140	100.00
Globe Scout Model 65A	49.00	Swan 400	269.00
Eico 723 Demo New		Johnson 6 & 2 Viking	89.00
Eico 720 6 month old	60.00		89.00
Johnson Viking II	69.00	Heath HW 12	229.00
Swan 175	99.00	National NCX 3 w/ac Supply	
Knight T50	29.00	Heath AT 1	25.00
Hammarlund HX500 SSB	199.00	Galaxy 2000 plus w/supply Ne	w350,00
Clegg '99er 6 meters	79.95	Heath HA14 w/DC Supply	139.95
HQJ.70_A_VHF Spotless	249.95	Collins 75Al	139.95
NCL 2000	359.00	Hammarlund HQ-100	89.00
	269.00	Mosley CM-1	65.00
Johnson Thunderbolt	49.00	Hallicrafters SX 101A	149.00
Heath HP 13		Hallicrafters SX 71	85.00
WRL VFO 755 & Power supply	29.00		75.00
Knight VFO AT1	15.00	Hallicrafters SX 99	
Drake RV-3	69.00	National NC 60	39.00
National NC 109	69.00	Lafayette VFO HA 90	25.00
National NC 125 Like New	79.00	Hammarlund HQ 129X	69.00
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TARS MEMBERSHIP. I am happy to have this opportunity to express my appreciation to many that helped at the 20th annual TARS Hamfest to make it the success it was. Sure made me feel good to see so many that I have worked on 40 meters from Evsl to several hundred miles away show up. It also appeared to me that quite a success was the auction, thanks to Wolka. 73, Waohga, Chairman, TARS 20th Hamfest.

TARS TRANSMITTER HUNT, TARS will hold a "Transmitter Hunt" Sunday September 17. Apparticipants meet at Reitz Hill at 2 PM. Frequency is 29.6 mc and call is KoTQG/9. FOR SALE, MUST SELL GOING INTO SERVICE. Heath Apache Xmtr, Collins 75A-2, desk mike ant relay & Dipole antennas, Waojxf, 319 Audubon Dr. Mt Vernon Ind. Phone 838-2082.

"TARS TREASURERS REPORT" By Kolau Treasurer.

Cash Balance - beginning of year Receipts to July 31

ng of year \$1,051.32 1,113.85

Disbursements to July 31
CASH BALANCE

\$1,370.72

\$794.45

53		
	AMATEUR "Best Buys"	
	National NC-300	199.50
	Hammarlund HQ-110	149.95
	Heath AR-1 Receiver	19.95
	Eico '720	59.50
	Hallicrafters SX-99	75.00
	National NC-125	75.00
	Millen 40 meter CW Transmitter	25.00
	Geloso "Twins" each	199.50
	Novice Transmitter Kit	19.95
	Match Box latest type	65,00
	Pre-Amplifiers	11.97
	Novice Transmitter	15.00
	SB-33 Transceiver	225.00
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OCTOBER 8TH, 1967

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\* \* \* \* \* \* \* \*

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Clifford C McGuyer, W9DGA Editor. Herb Muth, W9NZC, Advertising Mgr. TRI STATE AMATEUR RADIO SOCIETY, INC.

Published monthly by the Tri State Amateur Radio Society, Inc., as its official organ.

SEPTEMBER 1967 AMATEUR RADIO W904

Affiliated with the American Radio Follow League and the Indiana Radio Club Control .

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Jack Young, Treasurer, K9LAU 1715 Madison Avenue 476 8127
TARS regular monthly meetings held at the Lighthouse, 2nd Ave. and Virginia St. last Thursday of Each month. 7:30 PM.

Hank Galbraith, W9RDJ	67 = CA
1214 South Alvord Blvd.	476 7001.
Kenneth Small, WA9HGA	67 <b>-</b> 68
804 Hercules Avenue	476 5777
Sam Arthur, WA9JZX	67 468
857 East Parkland Avenue	424 5141
Ralph Greene, K9JQY	67
2021 East Franklin Street	476 6836
Paul Wurtz, K9JSK	67
3404 Stratford Road	423 8786
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Clifford McGuyer 2900 E. Oak St. Evansville, Indiana

#### "THE PRESIDENT'S CORNER" By WOLXA

Hi there fellows, is there something in your shack that you prize more than anything else? Maybe a receiver or a transmitter or a tool or a tester? What ever this prize possession is, it probably has a long or short story about it. Whenever you just look at it or when ever you use it, you recall some fond memory and you are

really proud to have it in your shack.

Well, I have such a cherished possession! It is a tester, a Simpson Model 240, Hammeter. No amount of money would part me from it. I received this Hammeter from a special friend, also a ham, when I received my amateur license. I admire this bester for what it can do. Sure I can buy a new one and it could do the same things as the old one can, but this meter, a v.o.m. can read R, Rx100, DC 15V-3000VAC, 15 ma - 750 ma. This meter is a 1000 ohm per volt. Just about all the readings you need in the shack. It is a nice meter to have around. I use it for quick checks on the rig, also in the building. With a home made adapter, it can also be used as a field strength meter. Works real good.

#### "MINUTES, TARS, Regular August Meeting. August 31, 1967"

Officers present: Pres W9LXA, Secty W9DGA and Directors WA9JZX, K9JQY and K9JSK. Meeting called to order by Pres W9LXA at 745 pm. Secty W9DGA read minutes of past meetings and approved as read. Secty read correspondence from ARRL re new incentive licensing procedures. After discussion, motion made by W90U, seconded by W9AIN "that the president investigate the possibility of TARS sponsoring a school limited to TARS club members with the object being to obtain advanced class license and to include a group bust trip to a licensing location sometime before Nov 22, 1968. Motion carried.

Sparks editor W9DGA announced the reason for the Sparks delay. The copies were mailed one day earlier than normal but was not received as yet at this date. When not received by the day before the meeting (Wednesday) a call was placed to the Post Office for KORWV. Don said he would check and advise the reason for the delay. As yet no answer from Don. Three members said they had received their sparks on Monday

and the rest present advised they had not received their copies.

K9JSK made report on the coming "Past Presidents Dinner" indicating that plans are progressing. K9JSK and WA9ADU are the Co-Chairmen for this event, to be held in November. K9STX announced an "On the air Contest" to start tomorrow, September 1, running through October 26, 1967. Those attending the meeting received a bonus on the

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time announcement. The object is to contact as many radio amateurs residing in Vanderburgh, Warrick, Posey and Gibson counties. The contact must be made during the stated period, and on an amateur band. A copy of the station log is to be submitted to K9STX and W9LXA, at the October TARS meeting, October 26, 1967. A form will be printed in Sparks to aid with the copy of the station log. The winner will receive a plaque at the "Past Presidents Dinner."

K9STX, the program chairman introduced Mr Fay Gehres, W 9AIN who gave a talk

on "Station Ground Systems" which was well received by all.

Meeting adjourned at 930 PM. --W9DGA, TARS Secretary-

#### "MINUTES TARS September Officers and Board of Directors Meeting Sept 19"

Officers present. Pres Wolka, VPres WownM, Secty WoDGA and Directors KoJSK, WAOHGA, WAOJZK and WOMKZ. Pres Wolka called meeting to order at 745 pm. Also in attendance was WoNZC, Sparks advertising manager. Secty WoDGA read minutes of past meetings. They were approved as read. The secty read correspondence from the Indiana Radio Club Council advising that we have not had delegates to the last three meetings and according to the by-laws our club would be drapped from membership if there was no delegate at the next meeting to be held in October at Indianapolis. On motion of KoJSK, seconded by WAOJZK, ten dollars be allocated for travel expense for a club member to represent TARS at the next IRCC meeting. Motion carried.

K9JSK gave report on the coming "Past President's Dinner." After discussion, it was agreed that this dinner be held at the Knotty Pine Restaurant, Main and Virginia Streets starting at 630 pm, November 16. The program will be "Steamboats." The menu will be "Turkey and all the Trimmin's for \$1.75. Reservations must be returned to K9JSK no later than Monday, November 13. A reservation blank will be printed in the September and October issues of Sparks. Pres W9LXA announced that plans were being made with W9AIN for the club incentive licensing program.

W9MKZ reported on the club transmitter hunt held Sunday, September 17th. W9VZX won the hunt with a total mileage of 7.0 miles and W9MKZ with 7.8 miles.

WA9HGA announced that he has a firm date with the 4H club for the 21st TARS Hamfest which will be held in July, 1968. W9MKZ suggested the club obtain plugs, jacks, fittings and mobile antennas for our Heath 29.6 mc rigs. After discussion, the president appointed W9MKZ to check into the cost and availability and report back to the next officers meeting. WA9HGA reported TARS will work communications for the "Sports Car Rally."

Meeting adjourned at 935 pm. -- W9DGA, Secty, TARS-

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#### "TARS SEPTEMBER MEETING"

The regular September meeting of TARS will be held at the "Lighthouse" Second avenue and Virginia street starting promptly at 730 pm Sharp. The date is Thursday September 28, 1967. The business meeting will be held to a minimum so full time can be given to the program, "Antennas" by Woodrow Pempberton, WA9CDP.

The "Past President's Dinner" will be held Notember 16th, 1967 at the Knotty Pine Restaurat, starting promptly at 630 pm. The program will be "Steamboats" and the Menu is "Turkey, with all the Trimmin's." Return the blank below to K9ISK no later than Nov 13. The October meeting will be the "Annual Election."

Please reserve a free TARS member dinner for:

Please reserve \_\_\_\_ dinners at \$1.75 each for: \_\_\_\_

Mail to Paul Wurtz, K9JSK, 3404 Stratford Road, Evansville, Indiana. 423 8786.

#### "RESULTS OF TRANSMITTER HUNT" By K9TQG.

On Sunday September 17, six mobiles on Reitz Hill started after the elusive Hidden transmitter. They were after K9TQG/THP (Tree House portable) who was hidden amoung some trees on Christ Road down behind Stringtown Hill. Ron, W9VZX, homed in on the signal and was the first to arrive at the transmitter site. He had the winning mileage of 7.0. (Note: I checked the mileage in my mobile and it was 7.7 miles. What did he do, unhook his speedometer cable or maybe fly??) Robbie, W9MKZ came in next, finishing with a mileage of 7.8. Les, W9LXA and Chuck K9PAR finished third and fourth with a mileage of 8.7 and 15.9 miles. Kenny, WA9HGA and Herb W9NZC, well....they finished.

FOR SAIE: Knight 100 Kc Crystal Calibrator. Built from Kit but never used. \$10.00 Chuck Johnson, K9PAR. Telephone 424 7028.

NEW ADDRESS of Earl and Dorothy Green, K9PNJ/6 is 156 Myrtlewood Drive, Calimesa, Calif 92320...K9JQY has joined Navy Mars...W9DGA attended the Semi-Annual "Army MARS Meeting" September 3 at Brazil Indiana. W9DGA is the Procedure Director for Indiana ARMY MARS...W9JF J had nice vactation in the North West...W9FJI member Army Mars. CHU TIME SIGNAIS are continuous on 3330, 7335 and 14670 kc. The carrier and signal pips are monitored against a caesium standard....W9YZO moved to 2263 East Tenn St.

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The proposed new First Class license concept is discarded. Instead, the Advanced Class license is re-established. Applicants must hold a General license or pass the written exam for General before passing a code test at 13 wpm and technical exam of a level midway between the present General and Extra exams. Example study material for the new 50 question technical exam will be available after Nov 22. Present holders of Advanced Class will be "grandfathered" into some special privileges as outlined below.

EFFECTIVE NOV 22, 1968, only holders of the Extra Class may use 3500-3525, 3800 3825, 7000-7025, 14000-14025, 21000-21025 and 21250-21275kc. EFFECTIVE NOV 22, '69, Extra class has 3500-2550,7000-7050, 14000-14050, and 21000-21050 kc. EFFECTIVE NOV 22 '68 Extra and Advanced may operate in 3825-3850, 7200-7225, 14200-14235, 21275-21300 kc and 50.0-50.1 Mc. EFFECTIVE NOV 22, '69 Extra or Advanced may use 3825-3900, 7200-7250, 14200-14275, 21275-21350 kc and 50.0-50.25 Mc.

The originally-proposed 2-meter sub-bands for these classes are discarded.

New Novice licensees, after Nov 22, '68 will have no phone privileges on 2 meters.

The 2-year license term for Novices is adopted, effective Nov 22, 1967.

The system of distinctive call signs with prefixes to identify the class of license is completely discarded. (The Callbook, incidentally, has plans to carry such identifications in its own listings.)

The Commission will issue 2-letter call signs to those applicants who are the holders of an Extra Class license and who have been licensed for at least 25 years. There will be no individual choice of call signs, and the \$20 fee will be charged. First applications for the 2-letter call signs will be accepted Nov 22, 1967.

Any new applicant for Extra Class license must either hold an Advanced Class license or must pass the written examination for that license before taking the Extra Class examination. This procedure also become effective after Nov 22, 19671

In a Public Notice the Commission indicates, among other things, that twothirds of the 4,000 comments received from amateurs were favorable. FCC further says that the implementation schedule of the restricted sub-bands may be delayed if insufficient occupancy is found. A more complete report, including the extensive text of the Order, will appear in October QST.

FCC Amateur Exams: Fort Wayne, Nov 8. Indianapolis, Nov 22. Louisville, Nov 17. Knoxville, Dec 20. Memphis, October 5. Nashville, November 1. All 1967. St Louis November 17, 1967. TARS Classes for TARS Members coming up in future.

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Rublished monthly by the Tri State Amateur Radio Society, Inc., as its official organ.

OCTOBER 1967 AMATEUR RADIO W90G
Affiliated with the American Radio Relay
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#### DIRECTORS OFFI CERS 67-68 Hank Galbraith, W9RDJ Les LaVanchy, President, W 9LXA 476 7601 1214 S. Alvord Blvd. 985 3530 RR#1. Wadesville, Indiana 67-68 Kenneth Small, WA9HGA Harold McClellan, Vice Pres., W9WNM 476 5777 804 Hercules Avenue 423 5184 781 Cardinal Drive 67-68 Sam Arthur, W A9JZX Clifford McGuyer, Secretary, W9DGA 424 5141 857 E . Parkland Ave. 4767483 2900 East Oak Street Ralph Greene, K9JQY Jack Young, Treasurer, K 9LAU 476 6836 2021 E. Franklin Street 476 8127 1715 Madison Avenue Paul W urtz, K9JSK TARS regular monthly meetings held at 423 8786 3404 Stratford Road the Lighthouse, 2nd Ave., and Virginia St. last Thursday of each month. 7:30 P.M. 67 Charles Robertson, W9MKZ 476 8378 502 S. Lincoln Park Drive

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Clifford McGuyer 2900 E. Oak St. Evansville, Indiana

#### "THE PRESIDENT'S CORNER" By WOLKA.

Hi there fellows: Well if you did not get to Spring Mill last week — the Hamfest was great. Sure it rained — all day and at times it really poured down but it was still a great day. Quite a few of the fellows from Evansville we've there (about 15). When we left home there were a few clouds, but the sun was shining about half the way to Spring Mill. Some of the fellows camped out Friday and Saturday night and many enjoyed the dinner at the Inn.

The fellows who had their grab bag tables were had a wet day. The equipment was on the tables and covered up with plastic - couldn't wee what they had for sale. One fellow had his merchandise in little boxes and it was completely soaked with the

rain.

You are glad to see and talk to the hams you have not seen for a year. You look at him and wonder if you looked as bad as he does. There was plenty of coffee all day, but the donuts ran out in the norning sometime. The coffee really hit the spot on that rainy day. I'm not much of a coffee drinker but I sure enjoyed that coffee.

The kids hayride was canceled but the women did have their bingo game -held in the shelterhouse. If you were not so lucky, you sat in the rain until your card began to run and you just gave up. The fellows were standing around talking and trying to get their wives attention but all they could hear or see was numbers.

As the day went on, the prizes were passed out and a few were being exchanged, but yours truly just came home with a wet ticket. Hi. About four of the fellows from Evansville won a few prizes. So that was okay. Did you hear about that one fellow who came home with a prize and wet feet? All in all it was still a great day. 73, —W9LXA, President, TARS —

#### "WERE YOU THERE?" By WA9JZX

It has been brought up in Directors meetings several times since I joined TARS how few hams of this area are on the air. I have asked of many, why? The answer I most receive is too many other activities. Are we as Hams failing to have things of which to talk that will interest our fellow ham. A common answer I have heard is I fanned the bands and didn't hear anyone. It may be if we fanned the transmitter with a few CQ's we would get an answer and cheerful howdy neighbor from one who has been tuning to hear that same CQ you put out. (Cont'd next page)

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WERE YOU THERE, Cont'd. We night revive the love of "gab" and find that you were there after all. The interested ask is there anyone I could study with to get my license—were you there? What did you say? You who read this try and see. \_WA9JZX\_

"MINUTES, TARS, Regular September Meeting. September 28, 1967.

Officers present: W9LXA Pres; W9WNM VP; W9DGA Secty; K9LAU Treas. Directors W9RDJ, WA9JZX, K9JSK, WA9EGA and W9MKZ. Meeting called to order by Pres W9LXA at 740 pm. A total of 25 persons were in attendance. Minutes of previous meetings approved as printed in Sparks. Treasurer K9LAU submitted treasurers report showing a bank balance of \$794.45. Treasurers report approved as submitted. Secty W9DGA read correspondence from the Indiana Radio Club Council regarding Delegates at the Fall IRCC meeting and a post card from vacationing K9JQY from Lake Tahoe.

K9JSK made report on the coming "Past Presidents Dinner." WA9ADU explained the program concerned "Steamboats." The nominating committee made report and submitted the following slate of officers and directors for the year 1968 with the exception that three directors will be elected for a two year term for 1968 and 1969. W9WNM HE McClellan. W9NZC Herb Muth. President. WA9RMO Bill Ogg. WA9FEV Macer Edmond. Vice President. K9QLB Kearnie Snith. WA9BYZ Paul Rice. Secretary. K9LAU. Jack Young. Treasurer. Following for Director (Vote for three). W9DGA Clifford McGuyer. WA9BPP All Arendt. W9LXA Les LaVanchy. WA9ADU Al Grote, W9LVL Jim Planque. WA9CDP Woody Pemberton.

President W9IXA called for additional nominations from the floor, but no additional nominations ere heard. The election will be held Thursday October 26.

K9TQG reported results of the last Transmitter Hund and stated another one will be held in the near future. K9STX reported on TARS participation as communicators for the "Sports Car Rally."

Program Chairman K9STX introduced the speaker for the evening, Woody Pemberton WA9CDP who gave an excellent talk on the "Decibel and the Smith Chart." Coffee and Donuts were served after the neeting. Meeting adjourned at 915 pm. \*W9DGA Secty\*

\*MINUTES, TARS, October Officers and Directors Meeting. October 17, 1967.

Officers present: W9LXA pres; W9DGA Secty; Birectors K9JSK, WA9JZX, WA9HGA and W9MKZ. Pres W9LXA called meeting to order at 730 PM. Also in attendance was Sparks Ad Mgr W9NZC. Dir K9JSK reported on the coming "Past Presidents Dinner." Everything is progressing nicely for this annual dinner honoring (Cont'd next page)



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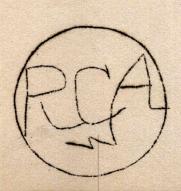
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"MINUTES" Cont'd. our Past Presidents. The dinner will be held November 16, 1967 at the Knotty Pine Restaurant starting promptly at 630 pm. The program will be "Steamboats." The menu is "Turkey and all the Trimmin's." Pres. W9LXA announced W9AIN and W9MKZ will head "TARS Radio School" for Advance Class License." More

details later. W9RDJ will handle code practice for the school.

A TARS Transmitter hunt will be held Sunday October 29, 1967 starting at 2 PM at Reitz Hill. President W9LXA announced the "TARS QSO Contest" will end October 26, 1967. Fill out form in Sparks and turn into W9LXA at Regular October 26 meeting. Also announced was the "Annual TARS Sweepstakes" contest will be held in conjunction with ARRL in November. A Plaque will be given the high phone score and high CW score. Submit your logs to ARRL and a copy to W9LXA for local contest.

WoMKZ reported on mobile antennas for the small TARS Heath 29.6 Mcs Transmitter. Robby will investigate different types and report back at the next officers meeting. Free coffee and donuts will be served at the October 26 meeting of TARS. Meeting

adjourned at 830 pm. -- W9DGA, Secretary, TARS--

#### "TARS OCTOBER MEETING"

The regular October meeting of TARS will be held at the "Lighthouse" Second Avenue and Virginia Street starting promtly at 730 PM sharp. The date is Thursday October 26, 1967. This is the Regular "Election of Officers" meeting. Free Coffee and Domits will be served.

The "Past President's Dinner" will be held November 16th, 1967 at the Knotty
Pine Restaurant, starting promptly at 630 pm. The program will be "Steamboats" and
the menu is "Turkey with all the Trimmin's." Return blank below to K9JSK no later

than November 13.

Please	reserve a	free TARS	member din	ner for:			_
Please	reserve	dinners	at \$1.75	each for:			
Mail to Paul	1 Wurtz, K	9JSK, 3404	Stratford	Road, Evansv	ille, Indiana.	Phone 423 878	6.

#### "TARS TRANSMITTER HUNT"

TARS will hold a "Transmitter Hunt, Sunday October 29, 1967 starting at 2 PM at Reitz Hill. Freq; 29.6 mc. It will be somewhere in Vanderburgh County, Indiana,

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pache TX-1	65.00	Heathkit "10'r"	29.00
ico 723 DEMO New	49.00		325.00
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eath AT-1	25.00		199.00
lobe Scout 680	59.00		29.00
lobe Scout 65		Globe Chief	59.00
eath DX-40	39.00		149.00
wan 350	319.00	Mosley CM-1	65.00
SAI	125-00	Heath HA-14 w/DC Supply	150.00

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W9NZC Herb Muth
"9120 Helb Faul
Vice President:
WA9RMO Bill Ogg
WA9FEV Maser Edmond
Secretary:
K9QLB Kearnie Smith
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Treasurer:
K9LAU Jack Young
7: 1060 1060
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W9IXA les laVanchy
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WA9CDP Woody Pemberton
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50	BMIT	TED BY-			

FOR SAIE: Johnson 500 Watt Transmitter. \$200.00. See W9JFJ, Howard Campbell, 3013 East Oak Street, Evansville, Indiana. Made DXCC and many other awards.

Last week the Federal Communications Commission released study questions coverning the new Advanced Class and revised Extra Class license examinations. All active ARRL affiliated club groups have been mailed dopies of this initial material, along with the new ARRL club bulketin. November QST will carry the new questions and the ARRL License Manuallis being revised. ARRL Phone Sweepstakes, November 11-13. ARRL CW Sweepstakes, November 18-20.

NOTICE. Due to your Editor's limited time, it will be impossible to continue publishing "SPARKS" after the December 1967 issue. Thank you. -- W9DGA --

1		
1	Swan "350" w/ ac power/ speaker  Heath HW-32  Heath "Sixer"  NC-125 Receiver  Eico "720"  B & W "Matcher"  Antenna Rotor  Johnson "Match Box"  Novice Receiver Kit	
1	Swan "350" w/ ac power/ speaker	\$395.00
	Heath HW-32	89.95
	Heath "Sixer"	32.50
	NC-125 Receiver / CASIICA AND 18	75.00
	Eico 17201 /	59.50
	B&W "Matcher"	37.50
	Antenna Rotor 1014 ou 4	24.06
	Johnson "Match Box"	65.00
	Novice Receiver Kit	39.95
	Receiver Pre-Amp Available for 10 or 20 meters	11.97
	Electronic Keyer	39.95
	Tube Tester	15.00
	900-A "Sidewinder", 901-A, 902-A Power supplies, new, package	337.10
		35.00
	755-A VFO	35.00
	Viking VFO	69.50
	HT_40 Transmitter	39.95
	Honeywell D C Power Supply	
	Heath HP-23 Power Supply	29.95
	Novice Transmitter with power supply	15.00
	ARRL Handbook 1967 issue \$4.00 A few 1966 left for	3.00
	Sideband Handbook	1.00
	Vibroples, brown brothers, Johnson Ameco Keys as low as	1.00



Clifford C. McGuyer, W9DGA, Editor. Herb Muth, W9NZC, Advertising Manager. TRI STATE AMATEUR RADIO SOCIETY, INC.

Published monthly by the Tri State Amateur Radio Society, Inc., as its official organ.

NOVEMBER 1967 AMATEUR RADIO W90G

PHOMOTOTA

Affiliated with the American Radio Relay League and the Ind Radio Club Council.

OFFICERS		DIRECTORS	
Les LaVanchy, President, W9LXARR#1, Wadesville, Indiana.	985 3530	Hank Galbraith, W9RDJ 1214 S. Alvord Blvd.	67-68 476 7601
Harold McClellan, Vice Pres., 781 Cardinal Drive	W9WIM 423 5184	Kenneth Small, WA9HGA 804 Hercules Avenue	67–68 476 5777
Clifford McGuyer, Secretary 2900 East Oak Street	W9DGA 476 7483	Sam Arthur, WA9JZX 857 East Parkland Avenue	67-68 424 5141
Jack Young, Treasurer, K9LAU 1715 Madison Avenue	476 8127	Ralph Greene, K9JQY 2021 East Franklin Street	67 476 6836
TARS regular monthly meetings the Lighthouse, 2nd Ave., and street last Thursday of each m	Virginia	Paul Wurtz, K9JSK 3404 Stratford Road	67 423 8786
Meetings starb promptly at 7:3		Charles Robertson, W9MKZ 502 S Lincoln Park Drive	67 476 8378

Return Requested.
Tri State Amateur Radio Society, Inc.
29)0 East Oak Street
Evansville, Indiana. 47714.



TARS Regular November Meeting
Thursday, November 30.
Coffee and Donuts.

Clifford McGuyer 2900 E. Oak St. Evansville, Indiana

Officers present: Pres W9LXA, VP W9WNM, Secty W9DGA, Treas K9LAU, Directors W9RDJ, WA9JZX, K9JSK, WA9HGA, W9MKZ and K9JQY. Meeting called to order by Pres LXA at 740 pm. All officers and Directors were present. A total of 27 persons was in attendance. Minutes of previous meetings approved as printed in SPARSK. The Treas K9LAU made report showing a bank balance of \$797.34.

Pres W9LXA called for the logs for the "TARS QSO Contest." Pres announced that the Advanced Class License school would start sometime next year. W9AIN and W9MKZ will conduct the class with the code program conducted by W9RDJ. Pres W9LXA announced a "TARS Transmitter Hunt" will be held Sunday October 29 by W9VZX. Meet at

Reitz Hill at 2 PM.

Dir K9JQY announced that the Ind Amateurs on 3910 Khz was to participate in a Civil Tefense Drill but that later information was had that it was changed to be handled by telephone. W9NZC reported he had talked to W9UMS the Civil Defense Communications officer regarding getting RACES licenses approved for local members. Her reported he got no encouragement. After a lot of furor and talk a motion was made by W9RDJ, seconded by K9JQY. "The Secretary write a letter to the Office of Civil Defense at Washington DC asking why no RACES licenses were being issued locally." Secretary W9DGA stated he did not think this was the method to handle this situation After vote the motion was carried, 5 to 4 with most members abstaining.

For the election, the Pres appointed W90U and W9MKZ as tellers, and K9JSK and K9TQG as counters. After the balloting the committee reported the following results. TARS Officers for the year 1968 include President, W9WNM, H E McClellan; Vice Pres WA9RMO Bill Ogg; Secretary, Paul Rice WA9BYZ and Treasurer Jack Young K9LAU. For TARS Directors for 1968 and 1969 are Clifford McGuyer W9DGA, Les LaVanchy W9LXA and

Woddy Pemberton WA9CDP.

The Pres W9IXA introduced the speaker for the evening Mr Charles Robertson, W9MKZ who spoke on "Loop Antennas for TARS Transmitter Hunts." Robbie had excellent training aids and an excellent talk that was well received by all. Coffee and donuts were served. Meeting adjourned at 930 PM. —W9DGA, Secretary, TARS—

#### MINUTES, PAST PRESIDENTS DINNER, Knotty Pine, November 16, 1967"

Officers present: Pres W9IXA, Secty W9DGA, Treas K9LAU and Birectors K9JSK, W9RDJ, WA9HGA, W9MKZ and K9JQY. A total of 47 persons attended this annual "Past Presidents Dinner." Dinner was served at 6:30pm which conisted of "Turkey with all

"THANKSGIVING BUYS"	
Drake R-4	\$275.00
National NC-300 Receiver	199.95
Hallicrafters SX 99	79.50
Hammarlund HQ-180C	275.00
National NC-125	89.50
Heath 2'er, 6'er, 10'er	each 32.50
SB-33	225.00
Gonset Sidewinder 2-meter. w/both power supplies, NEW	337.10
Johnson 203, 10 meter transceiber	6 99.50
NGX-5, National 5 Bands, NEW  HW-32 with HP-23, Cash price, No trades  New Novice Kits 25 Watts  Novice Transmitter with power supply  Globe Scout  Globe Chief	) 499.50
HW-32 with HP-23, Cash price, No trades	W 4/119.90
New Novice Kits 25 Watts	24.95
Novice Transmitter with power supply	15.00
Globe Scout	49.50
Globe Chief	25.00
E100 "720"	47.00
DX-100 Heath	89.95
Many others too numerous to mention. Are you interested	ed in Hi-Fi sound!
Come in and see the Maximus I by Goodmans, a speaker sy	recem so small you
wouldn't believe it could handle 25 watts (50 peak) wit	IDICAMAS SHOPPING NOW
cycles. $10\frac{1}{2} \times 7\frac{1}{2} \times 5\frac{1}{2}$ , costs only \$64.50. START YOUR CF	INTOTATED OHOTITING HOME

MINUTES CONT'D. the trimmings." W9DGA awarded a plaque to W9LXA as the winner of the "TARS Four County QSO Contest." W9LXA was congratulated on his good work in this contest with our neighboring counties. WA9ADU introduced Dr. Johnson who had sound and slides on "Steamboats." The program was very well received by all.

K9JSK conducted a "Party Quiz" for the XYL's present. Prizes were won by the

K9JSK conducted a "Party Quiz" for the XYL's present. Prizes were won by the XYL of W9KVE and K9STX. Paul also conducted a "Party Quiz" for the OM's present. Prizes were won by W9KVE, K9TQG and W9DGA. President W9LXA introduced the officers and Directors for TARS for next year. Everyone present had an enjoyable evening and Chairman K9JSK and WA9ADU were roundly applauded. Meeting closed at 9:30PM.-W9DGA--

#### "MINUTES, November Officers and Directors Meeting, November 21, 1967."

Officers present. Pres W9LXA, VP W9WNM, Secty W9DGA. Directors WA9JZX, K9JSK, WA9HGA, W9MKZ and K9JQY. Pres W9LXA called meeting to order at 740 pm. Also in attendance was Sparks Ad Mgr W9NZC and Pgm Chm K9STX. Minutes of previous meetings were read and approved. A long discussion was had relative to local licensing procedure of RACES. Many suggestions were discussed. As K9STX is in the process of being appointed the local Civil Defense Radio Officer it was agreed to wait on his appointment. K9STX stated he will accept the appointment as Radio Officer for Civil Defense RACES.

Director W9MKZ reported on the accessories for the TARS Heath 29.6mhz transceivers. Robbie has purchased an antenna, gutter mounted, 4 foot fiberglass rod and a power connector for use in the cigarllighter of an automobile. Robbie advised the system seems to work OK. K9STX asked about TARS participation in the "Santa Cloths Club" drive this year. Everyone present was in complete agreement TARS should take an active part in this worthwhile endeavor. K9STX will coordinate this activity.

It was announced by K9JSK there would be a TARS Transmitter Hunt Sunday, Nov 26 at 2 PM at Reitz Hill. Pres W9LXA announced that all logs for the TARS ARRL Sweepstakes contest be turned in to him no later than December 31, 1967. W9LXA will be the judge. Les also announced that 29.6 Mhz after 7 PM each evening was an excellent local QSO frequency and activity could be found there every evening.

W9NZC reported that the prizes for the "Contest Quiz" presented at the "Past Presidents Dinner" were donated by the Evansville Amateur Radio Supply, Castrups Radio Supplies, Ohio Valley Sound and Wesco Radio Parts. Meeting adjourned at 9:10pm — W9DGA, Secretary, TARS—

NOTICE: New address of Earl and Dorothy Green, W 6 H 0 X.

156 Myrtlewood Drive, Calinesa, California. 92320.

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#### "THE PRESIDENT'S CORNER" By WOLXA

Hi There Fellows. Here it is November is almost over with. The summer activity is over and we are going into the winter now. How is your beam? Is it in good working order? Are all your other antennas taken care of? How about getting on the air this winter? The bands are getting crowded - but - there is still a place for another signal. So fire up the old rig and get her going.

On Wednesday nights at 29.6 mhz the frequency is hot! Nearly twenty fellows check in and that is really good. During the week, that is other nights, several stations monitor 29.6 mhz waiting for a QSO. There are Evansville stations on 75 meters and 40 meters and 20 meters working lots of out of state traffic. If you don't

care for traffic handling there are lots of rag chewing going on also.

You say you like to do something else? Well! How about joining one of the MARS programs? We have the Army, Air Force and the Navy MARS represented here in Evansville. These fellows are doing a fine job and would be glad to talk to you about the MARS programs. The communications in our area are the same as in other areas. The fellows use all types of communications, that is the SSB, CW, RATT and the old AM system. There might be some other type show up now and then (like the old land line) Hi.

Don't forget the old eyeball QSO, the last Thursday night of the month. That is TARS meeting night at the Lighthouse at Second Avenue and Virginia Street in Evans-ville. See you all there. —WOIXA. President. TARS—

#### "TARS NOVEMBER MEETING"

The regular November: meeting of the Tri State Amateur Radio Society, Inc will be held at the "Lighthouse" Second Avenue and Virginia Streets starting promptly at 730 PM. The date is Thursday, November 30, 1967. The business meeting will be held to a minimum so full time can be devoted to "Gab-fest" with "Coffee and Domuts."

#### "TARS OFFICERS AND DIRECTORS FOR 1968"

President. Harold McClellan, W9WNM. Vice Pres. Bill Ogg. WA9RMO. Secretary. Paul Rice, WA9BYZ. Treasurer. Jack Young, K9LAU. Hold over Directors for 1968.

Hank Galbraith, W9RDJ; Kenneth Small, WA9HGA and Sam Arthur, WA9JZX. Dir for 1968 and 1969. C McGuyer, W9DGA; L LaVanchy, W9LXA and W Pemberton, WA9CDP.

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#### "INDEPENDENT-SIDEBAND TRANSMISSION"

The transmission of two independent sidebands, obtained by modulating signals from the same carrier source and subsequently separating the two channels by filtering, is technically feasible for amateurs since it is a logical extension of single-sideband principles. Although the modulation process is more expensive and somewhat more complex than regular ssb it would be no great problem to design a transmitter that would accomplish it.

The obvious application—two independent communications associated with a single carrier frequency — has the equally-obvious practical disadvantage that the transmission and reception periods would have to be synchronized. In practice, this would be an impossible condition to meet. No spectrum space would be saved as compared with two ordinary ssb transmissions, so there would appear to be no special advantage even if the synchronization problem could be overcome. A further disadvantage is that the usable power output of the transmitter in each of the two channels is reduced by a factor which depends on the relative depth of modulation in the two channels, but which can be taken roughly to be of the order of 4.

There remains the possibility of transmitting different, but associated, types of information over the two channels when synchronization would be a natural rather than an unnatural part of the system. One such possibility would be the transmission of slow-scan television or facsimile on one channel along with associated voice comments on the other. Another possibility would be stereo transmission — if any just-

ification could be found for it, which seems unlikely.

The combination of slow-scan TV and voice would offer an interesting field for the experitmenter, although it is by no means necessary that the two be transmitted simultaneously. However, in defense of occupying two channels simultaneously as against occupying one with alternate modes of transmission it can be said that the product of channel width by time whould be approximately the same in both cases. In other words, if twice the single-channel width is occupied, it is occupied for only half as much time in transmitting the same total amount of information. This would be an ideal state of affairs; in practice, the actual probably would be less favorable. Another possible application would be in two-channel repeater openation. This would require selectable-sideband receiving equipment on the part of the station making use of the repeater. Similar possiblities exist in automatic relaying. However, it is questionally whether this system would be more attractive, economically than others that might be used for the purpose.

It can be argued that nothing in the present amateur regulations prohibits the transmission of independent sidebands, either specifically or by inference.

Tele 422-4551 EVAI		JR RADIO SUPPLY Bill Ogg WA9RMC	Owner \
	1629 S. Kent		
		ndiana. 47714	\$60.00
Eico 723 Demo New	\$49.00		
Johnson Viking 6 & 2	89.00		69.00
Knight T50	29.00	Knight T150	75.00
Heath AT 1	25.00	Globe Scout 680	59.00
Globe Scout 65	65.00	Globe Chief	59.00
Heath DX_40	39.00	Hammarlund HQ141X	149.00
	149.00	Hammarlund HQ-99	89.00
Drake 2A one owner	65.00	Hallicrafters SX99	75.00
Mosley CM-1	39.00	National NC109	69.00
National NC60	79.00	Gonset Super 12 New	39.95
National NC125 Like New		HQ170 VHF	250.00
Heath HR-10	59.00	HQ-180	250.00
HQ170 AC	179.00	Hallicrafters S_108	74.00
NC-88	89.00	Heath 2'er like new	33.00
Collins 75Al	149.00		325.00
Heath 10'er	29.00	Drake TR-3 one owner	89.00
Swan 400	269.00	Heath HW12	229.00
SWan 175	99.00	National NCX 3 w/ac power sup	110.00
Galaxy V	299.00	Heath MTI & MRI w/supply	350.00
MT1 & PMR-6A w/supply	60.00	Galaxy 2000 plus w/supply	20000



Clifford C McGuyer W9DGA, Editor. Herb Math, W9NZC, Advertising Manager.

#### OFFICERS

Los LaVanchy, President, W9LXA RR#1, Wadesville, Indiana. 985 3530

Harold McClellan, Vice Pres., W9WNM
781 Cardinal Drive. 423 5184

Clifford C McGuyer, Secretary, W9DGA 2900 East Oak Street. 476 7483

Jack Young, Treasurer, K9LAU 1715 Madison Avenue. 476 8127

TARS regular monthly meetings held at the Lighthouse, 2nd Ave., and Virginia street last thursday of each month. Meetings start promptly at 7:30 pm. MERRY CHRISTMAS AND A HAPPY NEW YEAR.

Return requested. Tri State Amateur Radio Society, Inc. 2900 East Oak Street Evansville, Indiana. 47714. TRI STATE AMATEUR RADIO SOCIETY, INC.

Published monthly by the Tri State Amateur Radio Society, Inc., as its official organ.

#### DECEMBER 1967 AMATEUR RADIO W90G

Affiliated with the American Radio Relay League and the Ind. Radio Club Council.

#### BOARD OF DIRECTOR

Hank Galbraith, W9RDJ	6768
1214 South Alvord Blvd,	476 7601
Kenneth Small, WA9HGA	6768
804 Hercules Avenue,	476 5777
Sam Arthur, WA9JZX	67-68
857 East Parkland Avenue.	424 5141
Ralph Greene, K9JQY	67
2021 East Franklin Street,	476 6836
Paul Wurtz, K9JSK	67
3404 Stratford Road	423 8786
Charles Robertson, W9MKZ	67
502 S Lincoln Park Drive.	476 8378





Clifford McGuyer 2900 E. Oak St. Evansville, Indiana

This will be my last edition of SPARKS as stated in the October Edition. This will complete five years as Editor on this hitch. I have been editor twice before. I am sure you will agree that I need a rest, this includes Dorothy also who always faithfully gave her assistance. I have enjoyed putting out SPARKS for the most part but it is more work than the average member realizes.

My special thanks goes to Herb Muth W9NZC who has really done a fine job as Advertising Manager of SPARKS. Also to Howard Campbell W9JFJ for special help on many occasions. Merry Christmas and a Happy New Year. —W9DGA Editor, SPARKS—

#### "THE PRESIDENTS CORNER" By WOLXA"

Hi there fellows, Here it is the end of the year already! Seems like I just took office of TARS! Time does go by fast. Christmas is just about here with all the running around, buying this and that. I want to call it a mess each year, but with the year ending we can look back at what has been done and it looks like it has been a good year, with our own lives and with TARS. It has been a problem for me to write a article each month for SPARKS and not being a writer makes it even harder.

Each month a program was planned for the meeting. K9STX did a fine job on the program planning. K9LAU came up with a little more money each month. W9DGA as secretary and Editor of SPARKS put in a lot of time doing his job. WA9HGA did a fine job as Hamfest Chairman and he also has accepted the job again for 1968. Real fine, Ken. We also had 100% attendance of directors at most of our meetings both the Orficers and Board of Directors meetings and the regular meetings.

A real fine job is being done on 29.6 mc. The net control station is well pleased with the check ins we are having. This is THE frequency where you can get all the dope and information around town. I understand that new rigs and the fellows are building more are being tried out on 29.6 mhz. This is real good.

Field Day may not have been what was expected but we did have (next page)

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"HAPPY

NEW YEAR"

a station on the air and you fellows did take part and that is what counts. Transmitter Hunts have been very good this year and we have been having a large turnout to find the transmitter. Seems the XYLs are enjoying these transmitter hunts too.

The new President will need help in the coming year. I ask that all the members stand up and be counted - - your ideas is what makes TARS. Mac, W9WNM the new

President will weigh all the ideas you fellows give him.

I want to thank all the TARS members for the help you gave me, coming forward with ideas and suggestions and for volunteering for many jobs. That is what makes a real club. We can be proud of TARS. We have several new members this year and we are glad to see them come in and take part.

Have a nice Christmas! C U the Last Thursday of each month next year.

73, W9LXA, President, TARS.

#### "MINUTES, TARS, Regular November Meeting. November 30, 1967"

Officers present: W9IXA Pres; W9WNM V Pres; W9DGA Secty; K9LAU Treas; and Directors WA9JZX, K9JSK, WA9HGA W9MKZ, K9JQY and W9RDJ. Pres W9IXA called meeting to order at 740 pm. A total of 20 persons were in attendance. Minutes of previous meetings were approved as printed in SPARKS. Treasurer K9LAU made report showing \$799.01 balance and was approved as read.

Dir K9JSK made report of Transmitter Hunt held Sunday November 26. W9VZX was the winner and WA9VYR runner up. Another Transmitter Hunt will be held Sunday December 10 at 2 PM on Reitz Hill. New members WA9VYR, WA9TEE and WA9SFP were introduced. Pres W9LXA announced there will be no regular meeting in the month of December. An organizational meeting will be held Tuesday, December 19 with all the

out-going and in-coming officers and directors.

Frgm Chm K9STX reported on an antenna for 29.6 mhz that clips on the gutter and seems to work very good. Ralph also reported that the 29.6 mhz Wednesday night net is doing very good. Dir K9JSK reported on a project that could be undertaken by the club to have a group building plan for 29.6 mhz units. Old television sets could be the source of most parts. WA9HGA indicated he was very interested in this project

Pres W9LXA thanked all members for their help given him during his term in office. The new President W9WNM thanked all for the honor bestowed upon him and said that he would do his best and needed the cooperation of all members. W9WNM appointed WA9HGA and K9PAR as Chairmen of the Hamfest and reminded all of the organizational meeting to be held next month. He requested all come prepared to suggest names for committee chairmen and especially for editor of SPARKS. (next page).

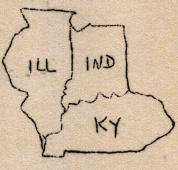
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The new president said we should make an attempt to get a lot of the old timers to rejoin the club. The school for Advanced Class license will be held next year under

W9AIN. W9MKZ and W9RDJ.

Coffee and donuts were served and all had an enjoyable evening swapping DX tales, local QSO's, traffic, MARS, teletype and many other subjects. W9RDJ displayed a microwave traveling wave tube. Meeting adjourned at 940 pm. W9DGA, Secretary, TARS.

"TARS Treasurers Report, November 30, 1967, K9LAU"

Cash balance, January 1, 1967.	\$797.34.		
RECEIPTS.		DISBURSEMENTS.	
Dues	\$230.50	Meetings	\$ 24.92
Dues from members for ARRL	22.50	Club supplies	14.00
Austions	12.70	Sperks	60.44
SPARKS - Advertisements	72.00	To ARRL	22.50
SPARKS - Subscriptions	1.00	Hamfest	779.20
Hamfest	784.95	Fees and Taxes	24.00
Total Receipts	\$1123.65	New Club property	231.50
Refund - Heath Company.	6.20	Miscellaneous	20.40
Total All Receipts	\$1129.85	Insurance	141.75
		P O Box Rental	12.00
Total Cash	\$2181.17	Field Day	37.34
		Transmitter Hunts	4.94
		Awards	8.67
The second secon		Total Disbursements	\$1382.16

CASH BALANCE, Ending \$799.01.

NO TARS DECEMBER MEETING. NEXT MEETING, Thursday, January 25, 1967. AT THE LIGHTHOU

SIMULATED EMERGENCY TEST. In late January, during the ARRL Simulated Emergency Test, the opportunity presents itself whereby all radio amateurs can take part in a nation wide demonstration of amateur radio public service facilities. The SET will take place January 27 and 28 and will include all Amateur Radio Public Service Corps amateurs, in AREC NTS and RACES. There will be local exercises and nationwide traffic handling activities involving traffic for the Red Cross, ARRL, civil defense and other agencies. Our local Emergency Coordinator K9QWV will be mailed full information in December and you are urged to contact him now while there still remains time for you to be worked into the SET plans. From ARRL, Also FCC has adopted riles whereby mobile and portable stations need only indicate the call area of operation, rather than the geographical location now required on phone. See Jan '68 QST.

Tele 422-4551	EVANSVILLE AMATEU	UR RADIO SUPPLY Bill Ogg WA9RM	O Owner			
1629 S. Kentucky Ave.						
Evensville, Indiana, 47714						
Collins 75Al	\$149.00	Galaxy 2000 Plus "Demo"	\$389.00			
Eimac PMR-6	30.00	GSB-201 Linear Amplifier Like ne	w379.00			
Hallicrafter S-108	65.00	SBE-2LA "Demo"	225.00			
Hallicrafters SX-99	75.00	Hammarlund HQ-140-X	139.00			
Hammarlund HQ-145-X	145.00	Hammarlund HQ-145-X	149.00			
Hammarlund HQ-180	250.00	Heath HR-10 Like new	79.00			
Heath HR-10 (3)	75.00 ea	Heath MR-1 Comanche	49.00			
Johnson 6N2 Converter	34.00	Knight Span Master	12,00			
Mosley CM-1	65.00	National NC-109	75.00			
National NC-125 Like new	79.00	Heath SB300 Receiver w/cw filter	259.00			
Clegg "99er" 6 meters	99.00	Hallicrafter SR-150 W/AC Pwr sup	395.00			
Heath "Twoer"	25.00	National NCX-3 w/supply	239.00			
Swan 175 (75Meters)	99.00	Eico 723	49,00			
Elmac AF-67	45.00	Globe Chief Deluxe	59,00			
Globe Scout 65A	49.00	Globe Scout 680-A	59.00			
Heath MT-1 Cheyenne	39.00	Johnson Viking II-CD	79,00			
Knight T69	25.00	Knight T-150	79.00			
Viking Valiant	125.00	Telex 20 Meter Beam	99.00			
Drake RV-3 Remote VFO		Lafayette HE-48 Speaker	45.00			
		Keyers, many more accessories in	Non-Marin Street, and Control of the			

"ON KEEPING UP INTEREST IN THE RADIO CLUB" From ARRI.

Any club, radio or not, must schedule plans and projects pointed at holding the interest of its members. Meetings must be made interesting, their less interesting aspects minimized, their speakers or subject matter built up. Otherwise members may get tired of attending uninteresting meetings, and will let their dues lag and finall drop out of the club entirely. Working toward important club objectives with progress reported at meetings, and some variety introduced in the club fare will help hold interest high. Publicity will usually bring new members; it alone will not hold them Speakers, movies, technical talks and live-wire operating programs will appeal if aim ed at the level to inspire spontaneous interest. Attention must be given at all times to the type of member taken in. He must show plenty of interest in radio and club work, and must not be lazy. Never overlook visitors. Let your club officers assure everyone that visitors are always welcome. Make them feel at home when they do drop in. The annual ARRL Field Days can be used by clubs to plan a major outing and operating activity with Emergency Preparedness significance.

The more outside engineers, authorities and leaders in operating or experts on various subjects that can be induced to speak at your meetings, the better. It is a good idea to have some of the members give talks either on a development of their own or a review of article material of interest to all. To make fellows feel better on a rough assignment try putting slips of paper in a hat. Draw to see who will be

the speaker .....

Without new enthusiasm and members a club cannot perpetuate itself. Operating contests serve to improve operating procedure at the same time the competition arouses interest and educates participants. One club I know of posts WAS and CP and DXCC standings of members; another lists ARRL appointments held and award progrees of individuals in the club bulletin. The readiness of all radio amateurs to serve the public in communications emergencies reflects favorably on the club and gives it good community support and respect.....

Adjournment does not always mean the end of a meeting. There is usually the ice cream parlor or "hot dog" stand around the corner. Informal friendly gatherings do a great deal toward fostering a spirit of friendship. Summer outings, games, socials, picnics, a Club Field Day etc. are wonderful friendship makers. With portable receivers and transmitters, there can be hidden transmitter hunts, whf field days or

general contact work while the families picnic.

Some of these ideas have been tried with success by various clubs throughout the country. Code practice is always a desirable feature and can develop new talent to become licensed and contribute to the upbuilding of the club....Best of luck....

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